

STIC-ILL

337, 741

Fr m:
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T :
Subject:

Robinson, Binta 1625
Tuesday, March 20, 2001 6:21 PM
STIC-ILL
Interlibrary Loan

Telephone Number <703-306-5437 >

Application Number or Other Order Identifier < 09593173>

Author (if known) < Abbott et. al.>

Article Title < Addition reactions of heterocyclic compounds. Part 81. Products from dimethyl acetylenedicarboxylate with some cycloalkyl [b] pyridines>

Journal or Book Title < J. Chem. Res., Synop.>

Pages if a Journal < 169>

Volume And Issue if a Journal < 6>

Year Of Publication < 1985>

Could I have this journal in a 1 to 2 days?
Thank you

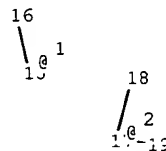
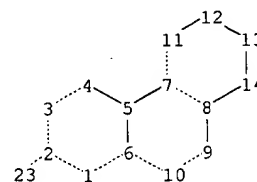
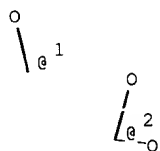
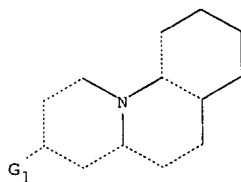
NO
3/21

agf - QD40. A1J62

agf
3/22
100

COMPLETED

2
18



chain nodes :

15 16 17 18 19 23

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14

chain bonds :

2-23 15-16 17-18 17-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13 13-14

exact/norm bonds :

1-2 1-6 2-3 2-23 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13
13-14 15-16 17-18 17-19

isolated ring systems :

containing 1 :

G1:NO2,O,S,[*1],[*2]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 23:CLASS

=> d his

(FILE 'HOME' ENTERED AT 16:00:16 ON 20 MAR 2001)

FILE 'REGISTRY' ENTERED AT 16:00:21 ON 20 MAR 2001

L1 STRUCTURE UPLOADED
L2 7 S L1
L3 155 S L2 FULL

FILE 'CA' ENTERED AT 16:01:47 ON 20 MAR 2001

L4 31 S L3
L5 7 S L4 AND GUARNA, A?/AU
L6 2 S L5 AND PD < JANUARY 1998
L7 24 S L4 NOT L5

FILE 'CAOLD' ENTERED AT 16:05:22 ON 20 MAR 2001

L8 10 S L3

FILE 'REGISTRY' ENTERED AT 16:05:44 ON 20 MAR 2001

 E 96279-91-3/RN
L9 1 S E3
 E 106742-14-7/RN
L10 1 S E3
 E 107543-02-2/RN
L11 1 S E3
 E 4527-67-7/RN
L12 1 S E3
 E 5100-53-8/RN
L13 1 S E3
 E 5100-62-9/RN
L14 1 S E3
 E 5100-63-0/RN
L15 1 S E3
 E 5100-64-1/RN
L16 1 S E3
 E 5100-70-9/RN
L17 1 S E3
 E 5100-71-0/RN
L18 1 S E3
 E 5100-76-5/RN
L19 1 S E3
 E 5100-77-6/RN
L20 1 S E3
 E 5569-24-4/RN
L21 1 S E3
 E 5161-92-2/RN
L22 1 S E3
 E 6082-64-0/RN
L23 1 S E3
 E 4527-67-7/RN
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L25 1 S E3
 E 4613-02-9/RN

L26 1 S E3
 E 95516-57-7/RN
 L27 1 S E3
 E .95771-15-6/RN
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 E 98029-81-3/RN
 L29 1 S E3
 E 17260-83-2/RN
 L30 1 S E3
 E 26593-23-7/RN
 L31 1 S E3
 E 33922-39-3/RN
 L32 1 S E3

=>

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	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-14.56

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PASSWORD:

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Sep 29	The Philippines Inventory of Chemicals and Chemical Substances (PICCS) has been added to CHEMLIST
NEWS	3	Oct 27	New Extraction Code PAX now available in Derwent Files
NEWS	4	Oct 27	SET ABBREVIATIONS and SET PLURALS extended in Derwent World Patents Index files
NEWS	5	Oct 27	Patent Assignee Code Dictionary now available in Derwent Patent Files
NEWS	6	Oct 27	Plasdoc Key Serials Dictionary and Echoing added to Derwent Subscriber Files WPIDS and WPIX
NEWS	7	Nov 29	Derwent announces further increase in updates for DWPI
NEWS	8	Dec 5	French Multi-Disciplinary Database PASCAL Now on STN
NEWS	9	Dec 5	Trademarks on STN - New DEMAS and EUMAS Files
NEWS	10	Dec 15	2001 STN Pricing
NEWS	11	Dec 17	Merged CEABA-VTB for chemical engineering and biotechnology
NEWS	12	Dec 17	Corrosion Abstracts on STN
NEWS	13	Dec 17	SYNTHLINE from Prous Science now available on STN
NEWS	14	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	15	Jan 05	AIDSLINE is being removed from STN
NEWS	16	Feb 06	Engineering Information Encompass files have new names
NEWS	17	Feb 16	TOXLINE no longer being updated
NEWS EXPRESS			FREE UPGRADE 5.0e FOR STN EXPRESS 5.0 WITH DISCOVER! (WINDOWS) NOW AVAILABLE
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

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FULL ESTIMATED COST

0.15

0.15

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STRUCTURE FILE UPDATES: 19 MAR 2001 HIGHEST RN 328055-05-6

DICTIONARY FILE UPDATES: 19 MAR 2001 HIGHEST RN 328055-05-6

TSCA INFORMATION NOW CURRENT THROUGH July 8, 2000

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=>

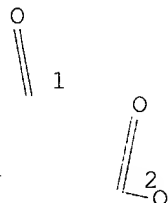
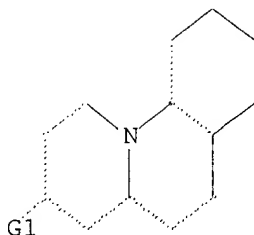
Uploading 9593173a.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 NO2,O,S,[@1],[@2]

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 16:01:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 507 TO ITERATE

100.0% PROCESSED 507 ITERATIONS
SEARCH TIME: 00.00.02

7 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8790 TO 11490
PROJECTED ANSWERS: 7 TO 298

L2 7 SEA SSS SAM L1

=> s l2 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 133.25 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 16:01:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 10070 TO ITERATE

100.0% PROCESSED 10070 ITERATIONS

155 ANSWERS

SEARCH TIME: 00.00.03

L3 155 SEA SSS FUL L1

=> file ca

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	133.87	134.02

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FILE COVERS 1967 - 15 Mar 2001 VOL 134 ISS 13
 FILE LAST UPDATED: 15 Mar 2001 (20010315/ED)

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=> s l3

L4 31 L3

=> s l4 and Guarna, a?/au

83 GUARNA, A?/AU
 L5 7 L4 AND GUARNA, A?/AU

=> s l5 and pd < january 1998

14784701 PD < JANUARY 1998
(PD<19980100)

L6 2 L5 AND PD < JANUARY 1998

=> d 16, ibib abs hitstr, 1-2

L6 ANSWER 1 OF 2 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 130:52313 CA

TITLE: Synthesis of benzo[c]quinolizin-3-ones: selective
non-steroidal inhibitors of steroid

5.alpha.-reductase

1

AUTHOR(S): **Guarna, Antonio**; Occhiato, Ernesto G.;
Scarpi, Dina; Tsai, Ruey; Danza, Giovanna; Commerci,
Alessandra; Mancina, Rosa; Serio, Mario
CORPORATE SOURCE: Dipartimento di Chimica Organica "U. Schiff", Centro
di Studio sulla Chimica e la Struttura dei Composti
Eterociclici e loro Applicazioni, CNR, Univ. di
Firenze, Florence, I-50121, Italy
SOURCE: Bioorg. Med. Chem. Lett. (1998), 8(20),
2871-2876

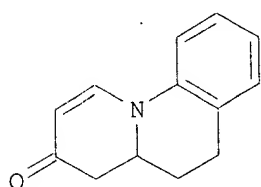
CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Science Ltd.

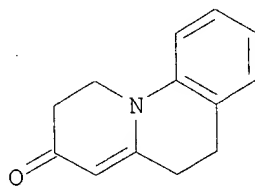
DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I



II

AB A short and efficient synthesis of novel benzo[c]quinolizin-3-ones I and
II is described. The synthesis is based on the tandem Mannich-Michael
cyclization between 2-(silyloxy)-1,3-butadienes and a N-t-Boc iminium

ion.
I and II are selective inhibitors of human steroid 5.alpha.-reductase
isozyme 1, and thus have potential application as drugs for treatment
of

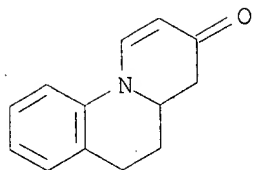
male pattern baldness and other DHT-dependent skin disorders.

IT 194979-80-1P 194979-85-6P

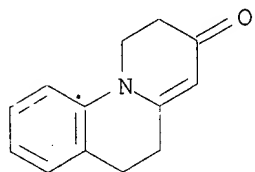
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation)
(benzo[c]quinolizin-3-ones as selective inhibitors of steroid
5.alpha.-reductase 1)

RN 194979-80-1 CA

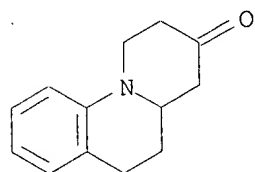
CN 3H-Benzo[c]quinolizin-3-one, 4,4a,5,6-tetrahydro- (9CI) (CA INDEX NAME)



RN 194979-85-6 CA
 CN 3H-Benzo[c]quinolizin-3-one, 1,2,5,6-tetrahydro- (9CI) (CA INDEX NAME)



IT 194979-79-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (benzo[c]quinolizin-3-ones as selective inhibitors of steroid
 5.alpha.-reductase 1)
 RN 194979-79-8 CA
 CN 3H-Benzo[c]quinolizin-3-one, 1,2,4,4a,5,6-hexahydro- (9CI) (CA INDEX
 NAME)

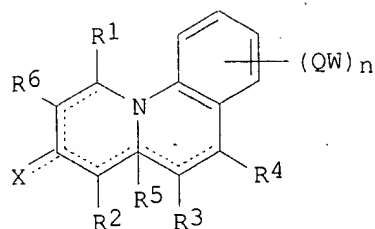


REFERENCE COUNT: 21
 REFERENCE(S): (1) Abell, A; Bioorg Med Chem Lett 1994, V4, P1365 CA
 (2) Abell, A; Bioorg Med Chem Lett 1994, V4, P2327 CA
 (3) Abell, A; Curr Med Chem 1995, V2, P583 CA
 (4) Frye, S; Curr Pharm Des 1996, V2, P59 CA
 (5) Guarna, A; Biomed Appl 1995, V674, P197 CA
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CA COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 127:220585 CA
 TITLE: Benzo[c]quinolizine derivatives, their preparation
 and
 use as 5.alpha.-reductases inhibitors
 INVENTOR(S): Guarna, Antonio; Serio, Mario
 PATENT ASSIGNEE(S): Applied Research Systems ARS Holding N.V., Neth.
 Antilles; Guarna, Antonio; Serio, Mario
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent

LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9729107	A1	19970814	WO 1997-EP552	19970207 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9717672	A1	19970828	AU 1997-17672	19970207 <--
AU 711886	B2	19991021		
EP 880520	A1	19981202	EP 1997-903230	19970207
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CN 1210536	A	19990310	CN 1997-192097	19970207
JP 2000504680	T2	20000418	JP 1997-528158	19970207
EP 926148	A1	19990630	EP 1997-122733	19971223
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NO 9803444	A	19980724	NO 1998-3444	19980724
WO 9933828	A1	19990708	WO 1998-EP8582	19981221
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AU 9924194	A1	19990719	AU 1999-24194	19981221
BR 9813836	A	20001010	BR 1998-13836	19981221
EP 1066284	A1	20010110	EP 1998-966711	19981221
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ZA 9811762	A	19990623	ZA 1998-11762	19981222
NO 2000003199	A	20000823	NO 2000-3199	20000620
PRIORITY APPLN. INFO.:				
			IT 1996-FI19	19960209
			WO 1997-EP552	19970207
			EP 1997-122733	19971223
			WO 1998-EP8582	19981221
OTHER SOURCE(S):			MARPAT 127:220585	
GI				



I

AB The benzo[c]quinolizine derivs. I (R1-R4, R6 = H, alkyl, alkenyl, alkynyl,

cycloalkyl, aryl, heterocycle, halo, amino azide, alkoxy carbonyl, etc.;

R5

=H, alkyl, alkoxy carbonyl, cyano, aryl, heterocycle; X = O, acyl, alkoxy carbonyl, NO₂, carbamoyl; Q = bond, alkyl, alkenyl, alkynyl, amino, etc., W = H, alkyl, alkenyl, alkynyl, aryl, aryloxy, amino, halo, etc.) were prepd. as 5.alpha.-reductases inhibitors (no data). Thus, N-(tert-butoxycarbonyl)-2-ethoxy-1,2,3,4-tetrahydroquinoline was cyclized with 2-(trimethylsilyloxy)-1,3-butadiene to give 1,2,4,4a,5,6-hexahydro-(11H)-benzo[c]quinolizin-3-one.

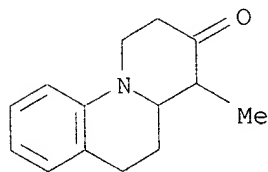
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194979-93-6P 194979-94-7P 194979-95-8P
194979-96-9P 194979-97-0P 194979-98-1P
194979-99-2P 194980-00-2P

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of benzo[c]quinolizine derivs. as 5.alpha.-reductases inhibitors)

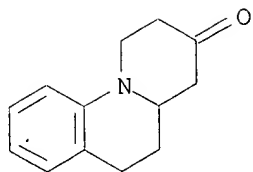
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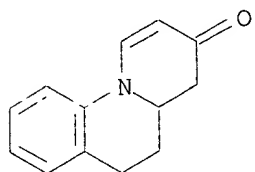


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CN 3H-Benzo[c]quinolizin-3-one, 1,2,4,4a,5,6-hexahydro- (9CI) (CA INDEX NAME)

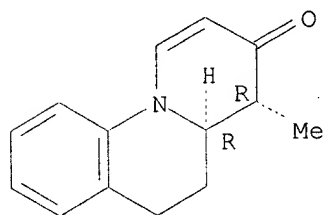


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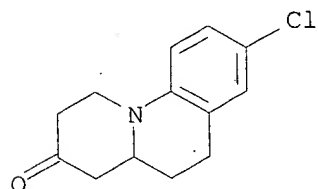


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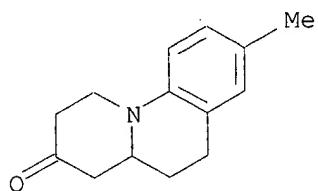
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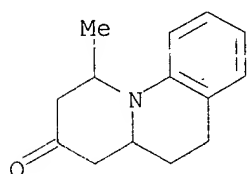
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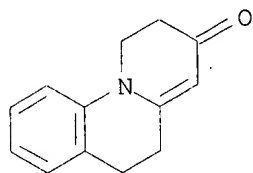
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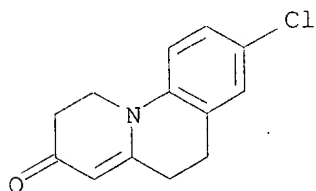
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 INDEX NAME)



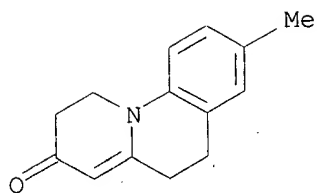
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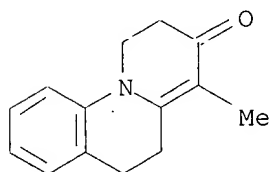
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 CN 3H-Benzo[c]quinolizin-3-one, 8-chloro-1,2,5,6-tetrahydro- (9CI) (CA
 INDEX NAME)



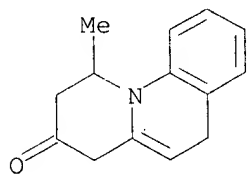
RN 194979-87-8 CA
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 INDEX NAME)



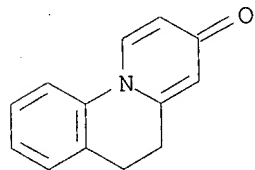
RN 194979-88-9 CA
 CN 3H-Benzo[c]quinolizin-3-one, 1,2,5,6-tetrahydro-4-methyl- (9CI) (CA
 INDEX
 NAME)



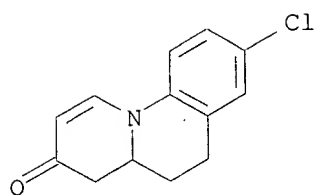
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 INDEX
 NAME)



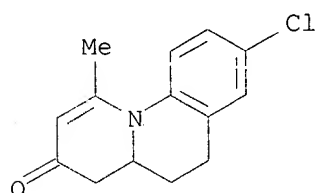
RN 194979-90-3 CA
 CN 3H-Benzo[c]quinolizin-3-one, 5,6-dihydro- (9CI) (CA INDEX NAME)



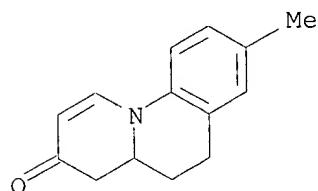
RN 194979-91-4 CA
 CN 3H-Benzo[c]quinolizin-3-one, 8-chloro-4,4a,5,6-tetrahydro- (9CI) (CA
 INDEX NAME)



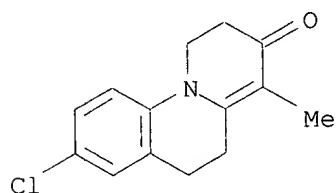
RN 194979-92-5 CA
CN 3H-Benzo[c]quinolizin-3-one, 8-chloro-4,4a,5,6-tetrahydro-1-methyl- (9CI)
(CA INDEX NAME)



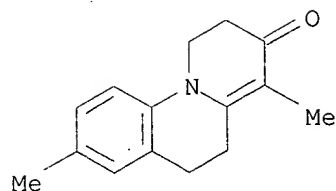
RN 194979-93-6 CA
CN 3H-Benzo[c]quinolizin-3-one, 4,4a,5,6-tetrahydro-8-methyl- (9CI) (CA
INDEX NAME)



RN 194979-94-7 CA
CN 3H-Benzo[c]quinolizin-3-one, 8-chloro-1,2,5,6-tetrahydro-4-methyl- (9CI)
(CA INDEX NAME)

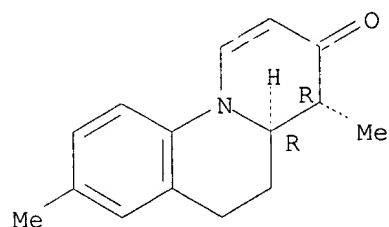


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INDEX NAME)



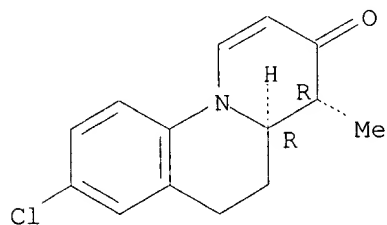
RN 194979-96-9 CA
 CN 3H-Benzo[c]quinolizin-3-one, 4,4a,5,6-tetrahydro-4,8-dimethyl-,
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Relative stereochemistry.



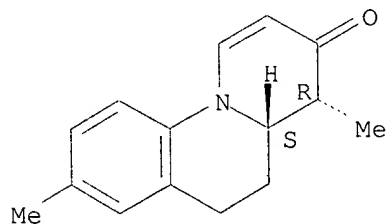
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 CN 3H-Benzo[c]quinolizin-3-one, 8-chloro-4,4a,5,6-tetrahydro-4-methyl-,
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Relative stereochemistry.



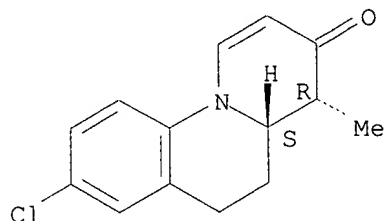
RN 194979-98-1 CA
 CN 3H-Benzo[c]quinolizin-3-one, 4,4a,5,6-tetrahydro-4,8-dimethyl-,
 (4R,4aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



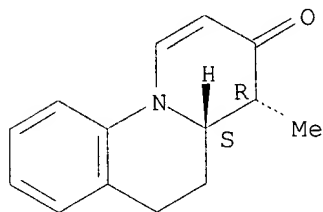
RN 194979-99-2 CA
 CN 3H-Benzo[c]quinolizin-3-one, 8-chloro-4,4a,5,6-tetrahydro-4-methyl-,
 (4R,4aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 194980-00-2 CA
 CN 3H-Benzo[c]quinolizin-3-one, 4,4a,5,6-tetrahydro-4-methyl-, (4R,4aS)-rel-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.



=> d his

(FILE 'HOME' ENTERED AT 16:00:16 ON 20 MAR 2001)

FILE 'REGISTRY' ENTERED AT 16:00:21 ON 20 MAR 2001

L1 STRUCTURE UPLOADED

L2 7 S L1

L3 155 S L2 FULL

FILE 'CA' ENTERED AT 16:01:47 ON 20 MAR 2001

L4 31 S L3

L5 7 S L4 AND GUARNA, A?/AU

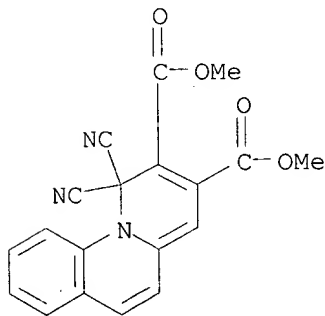
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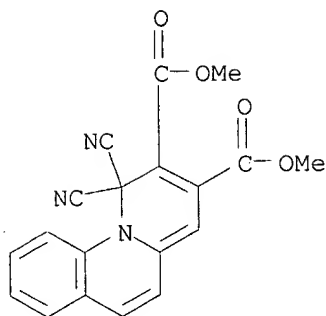
L7 24 L4 NOT L5

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L7 ANSWER 1 OF 24 CA COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 134:178436 CA
 TITLE: Photochemistry of triazolopyridinium ylides
 AUTHOR(S): Abarca, Belen; Ballesteros, Rafael; Houari, Nadia
 CORPORATE SOURCE: Departamento de Quimica Organica, Facultad de
 Farmacia, Universidad de Valencia, Burjassot
 (Valencia), 46100, Spain
 SOURCE: ARKIVOC (2000), 1(3), 274-283
 CODEN: AKVCFI
 URL:
<http://www.arkat.org/arkat/journal/Issue3/onweb15/gj15.htm>
 PUBLISHER: ARKAT Foundation
 DOCUMENT TYPE: Journal; (online computer file)
 LANGUAGE: English
 AB The photochem. reaction of triazolopyridinium ylides and their benzologs
 with Me propiolate or acetylenedicarboxylate in MeCN were studied. The
 products were similar to those obtained in thermal reactions, although
 the yields were different. In no case were the 1,3-dipolar cycloadducts
 obtained.
 IT **206189-66-4P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (photochem. reaction of triazolopyridinium ylides with propiolate and
 acetylenedicarboxylate)
 RN 206189-66-4 CA
 CN 1H-Benzo[c]quinolizine-2,3-dicarboxylic acid, 1,1-dicyano-, dimethyl
 ester
 (9CI) (CA INDEX NAME)



IT **206189-66-4P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (photochem. reaction of triazolopyridinium ylides with propiolate and
 acetylenedicarboxylate)
 RN 206189-66-4 CA
 CN 1H-Benzo[c]quinolizine-2,3-dicarboxylic acid, 1,1-dicyano-, dimethyl
 ester
 (9CI) (CA INDEX NAME)



REFERENCE COUNT:
REFERENCE(S):

- 7
(2) Abarca, B; Tetrahedron 1991, V47, P5277 CA
(3) Abarca, B; Tetrahedron 1996, V52, P10519 CA
(4) Abarca, B; Tetrahedron 1997, V53, P12765 CA
(5) Abarca, B; Tetrahedron 1998, V54, P3913 CA
(6) Abarca, B; Tetrahedron Lett 1991, V32, P4977 CA
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 24 CA
ACCESSION NUMBER:
TITLE:

COPYRIGHT 2001 ACS
134:4847 CA
A novel annulation to quinolines and isoquinolines
under Friedel-Crafts conditions: a one-step synthesis
of functionalized pyridoquinolines and
pyridoisoquinolines

AUTHOR(S):

Mahato, Shashi B.; Garai, Subhadra; Weber, Manuela;
Luger, Peter

CORPORATE SOURCE:

Indian Institute of Chemical Biology, Calcutta,
Jadavpur, 700032, India

SOURCE:

Perkin 1 (2000), (17), 2898-2900
CODEN: PERKF9

PUBLISHER:

Royal Society of Chemistry

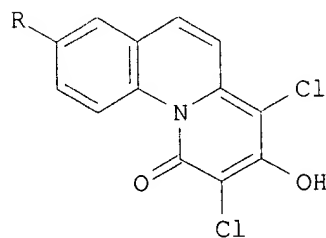
DOCUMENT TYPE:

Journal

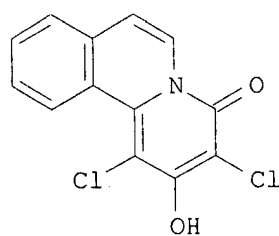
LANGUAGE:

English

GI



I



II

AB A novel one-step synthesis of pyridoquinolines I (R = H, Me, MeO) and pyridoisoquinolines II from quinoline, 6-methyl-, and 6-methoxyquinolines and isoquinoline under Friedel-Crafts conditions is reported. The complete structures of the pyridoquinoline and pyridoisoquinoline analogs obtained by using 6-methylquinoline and isoquinoline as substrates were

established by single-crystal X-ray anal.

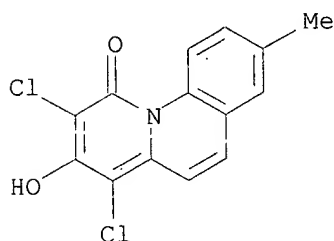
IT **308123-47-9P**

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure and prepn. of pyridoquinolines and -isoquinolines

by cyclization of quinolines and isoquinolines with acylating agents)

RN 308123-47-9 CA

CN 1H-Benzo[c]quinolizin-1-one, 2,4-dichloro-3-hydroxy-8-methyl- (9CI) (CA
INDEX NAME)



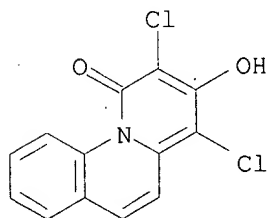
IT **144785-48-8P 308123-48-0P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(crystal structure and prepn. of pyridoquinolines and -isoquinolines

by cyclization of quinolines and isoquinolines with acylating agents)

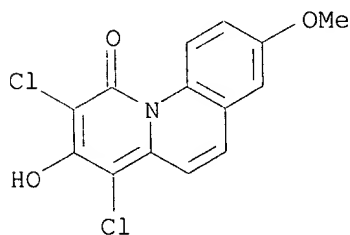
RN 144785-48-8 CA

CN 1H-Benzo[c]quinolizin-1-one, 2,4-dichloro-3-hydroxy- (9CI) (CA INDEX
NAME)



RN 308123-48-0 CA

CN 1H-Benzo[c]quinolizin-1-one, 2,4-dichloro-3-hydroxy-8-methoxy- (9CI) (CA
INDEX NAME)



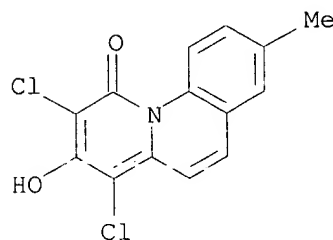
IT 308123-47-9P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure and prepn. of pyridoquinolines and -isoquinolines

by

cyclization of quinolines and isoquinolines with acylating agents)

RN 308123-47-9 CA

CN 1H-Benzo[c]quinolizin-1-one, 2,4-dichloro-3-hydroxy-8-methyl- (9CI) (CA
INDEX NAME)

REFERENCE COUNT:

22

REFERENCE(S):

- (6) Chakrabarti, G; J Antimicrob Chemother 1999, V43, P359 CA
 (8) El-Khawaga, A; J Org Chem 1984, V49, P3832 CA
 (9) Elliott, M; Synlett 1999, P1379 CA
 (11) Mahato, S; J Chem Res 1992, P294 CA
 (12) Mahato, S; J Org Chem 1984, V49, P718 CA
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 24 CA

COPYRIGHT 2001 ACS

ACCESSION NUMBER:

128:294736 CA

TITLE:

The reaction between triazolobenzopyridinium and
 triazolothiazolium ylides with dimethyl
 acetylenedicarboxylate

AUTHOR(S):

Abarca, Belen; Ballesteros, Rafael; Houari, Nadia;
 Samadi, Aldelouahid

CORPORATE SOURCE:

Departamento de Quimica Organica, Facultad de
 Farmacia, Universidad de Valencia, Valencia, 46100,
 Spain

SOURCE:

Tetrahedron (1998), 54(15), 3913-3918
 CODEN: TETRAB; ISSN: 0040-4020

PUBLISHER:

Elsevier Science Ltd.

DOCUMENT TYPE:

Journal

LANGUAGE:

English

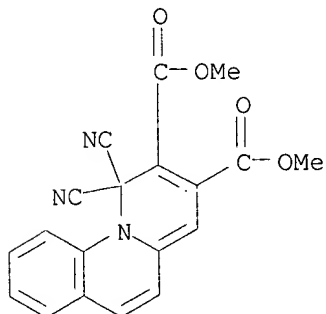
AB The reaction of some [1,2,3]triazolo[1,5-a]quinolinium,
 [1,2,3]triazolo[5,1-a]isoquinolinium, and
 [1,2,3]triazolo[5,1-b]thiazolium

ylides with di-Me acetylenedicarboxylate is described. Compds. such as
 di-Me pyrrolo[1,2-a]quinoline-1,2-dicarboxylate, di-Me
 pyrrolo[2,1-a]isoquinoline-2,3-dicarboxylate, 1,1-dicyano-2,3-
 dimethoxycarbonyl-1H-pyrido[1,2-a]quinoline, 4,4-dicyano-2,3-
 dimethoxycarbonyl-4H-pyrido[2,1-a]isoquinoline, and 7-methyl-5,6-
 dimethoxycarbonylpyrrolo[2,1-a]thiazole, are formed.

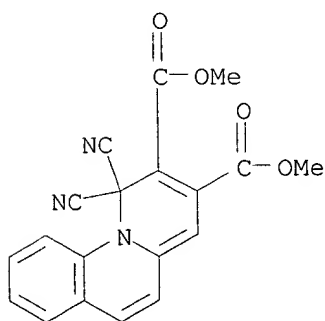
IT 206189-66-4P

RL: SPN (Synthetic preparation); PREP (Preparation)

(reaction of triazolobenzopyridinium and triazolothiazolium ylides
with di-Me acetylenedicarboxylate)
RN 206189-66-4 CA
CN 1H-Benzo[c]quinolizine-2,3-dicarboxylic acid, 1,1-dicyano-, dimethyl
ester
(9CI) (CA INDEX NAME)

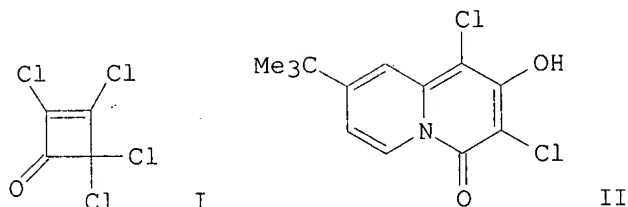


IT 206189-66-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(reaction of triazolobenzopyridinium and triazolothiazolium ylides
with di-Me acetylenedicarboxylate)
RN 206189-66-4 CA
CN 1H-Benzo[c]quinolizine-2,3-dicarboxylic acid, 1,1-dicyano-, dimethyl
ester
(9CI) (CA INDEX NAME)



L7 ANSWER 4 OF 24 CA COPYRIGHT 2001 ACS
ACCESSION NUMBER: 118:6845 CA
TITLE: Oxocarbons and related compounds. Part 18. The
reaction of perchlorocyclobutenone with pyridines: a
novel synthesis of 4H-4-quinolizinones
AUTHOR(S): Schmidt, Arthur H.; Duemmler, Mario
CORPORATE SOURCE: Abt. Org. Chem. Biochem., Fachhochsch. Fresenius,
Wiesbaden, D-6200, Germany
SOURCE: Synthesis (1992), (10), 969-72

DOCUMENT TYPE: Journal
 LANGUAGE: German
 OTHER SOURCE(S): CASREACT 118:6845
 GI



AB Heating of tetrachlorocyclobutenone (I) with pyridines followed by treatment with water affords 1,3-dichloro-2-hydroxy-4H-4-quinolizinones, e.g. II, and 1,3-dichloro-2-hydroxy-4-oxo-4H-quinolizinecarboxylates.

The reaction did not proceed via intermediate (trichloroperoxycyclobutenyl)pyridinium salts to give betaines. The reaction pathway has been secured by trapping 1,2,3-trichloro-8-(1,1-dimethylethyl)-4H-4-quinolizone and by its successive conversion to II on heating with water.

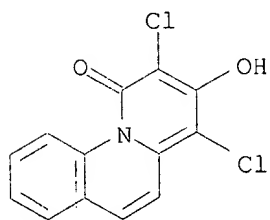
IT **144785-48-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, by ring opening and reaction of perchlorocyclobutenone with pyridine)

RN 144785-48-8 CA

CN 1H-Benzo[c]quinolizin-1-one, 2,4-dichloro-3-hydroxy- (9CI) (CA INDEX NAME)



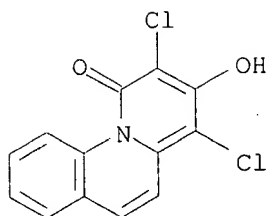
IT **144785-48-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)

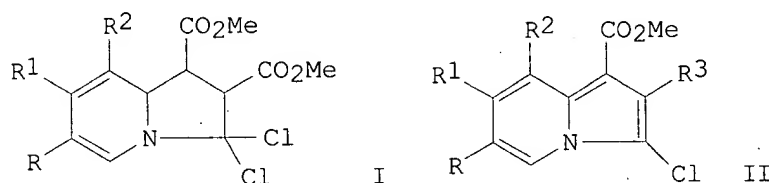
(prepn. of, by ring opening and reaction of perchlorocyclobutenone with pyridine)

RN 144785-48-8 CA

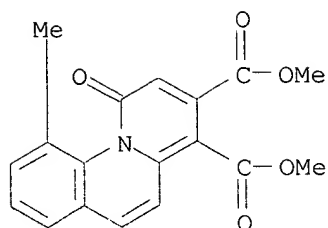
CN 1H-Benzo[c]quinolizin-1-one, 2,4-dichloro-3-hydroxy- (9CI) (CA INDEX NAME)



L7 ANSWER 5 OF 24 CA COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 113:131933 CA
 TITLE: 1,3-Dipolar cycloadditions of ylides formed from
 pyridine and dichlorocarbene
 AUTHOR(S): Khlebnikov, A. F.; Kostik, E. I.; Kostikov, R. R.;
 Besspalov, V. Ya.
 CORPORATE SOURCE: Leningr. Gos. Univ.; Leningrad, 199004, USSR
 SOURCE: Khim. Geterotsikl. Soedin. (1990), (3), 355-62
 CODEN: KGSSAQ; ISSN: 0453-8234
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 GI



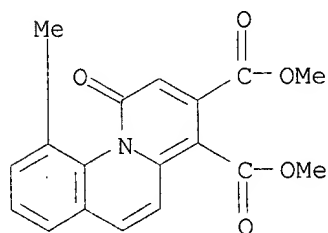
AB Pyridinium dichloromethylides reacted with di-Me maleate to give
 tetrahydroindolizinedicarboxylates (I; R, R2 = H, Me, Br; R1 = H, Me, Cl,
 PhCO), which were easily dehydrochlorinated and dehydrogenated to give
 indolizinedicarboxylates (II, R3 = CO2Me). 4-Picolinium
 dichloromethylide
 reacted with Me 3-phenylpropionate to give II (R = R2 = H, R1 = Me, R3 =
 Ph) regioselectively. The exptl. results were compared with HMO
 predictions.
 IT 129247-00-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 129247-00-3 CA
 CN 1H-Benzo[c]quinolizine-3,4-dicarboxylic acid, 10-methyl-1-oxo-, dimethyl
 ester (9CI) (CA INDEX NAME)



IT 129247-00-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 129247-00-3 CA

CN 1H-Benzo[c]quinolizine-3,4-dicarboxylic acid, 10-methyl-1-oxo-, dimethyl
ester (9CI) (CA INDEX NAME)

L7 ANSWER 6 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 103:195974 CA

TITLE: Addition reactions of heterocyclic compounds. Part
81. Products from dimethyl acetylenedicarboxylate
with some cycloalkyl[b]pyridinesAUTHOR(S): Abbott, Patrick J.; Acheson, R. Morrin; Choi, Michael
C. K.

CORPORATE SOURCE: Dep. Biochem., Univ. Oxford, Oxford, OX1 3QU, UK

SOURCE: J. Chem. Res., Synop. (1985), (6), 169

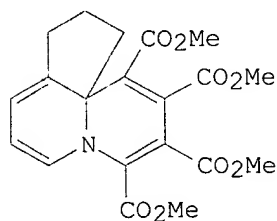
CODEN: JRPSSDC; ISSN: 0308-2342

DOCUMENT TYPE: Journal

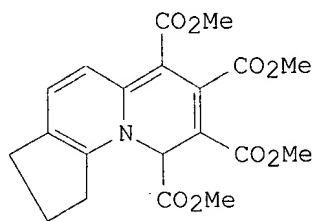
LANGUAGE: English

OTHER SOURCE(S): CASREACT 103:195974

GI



II



III

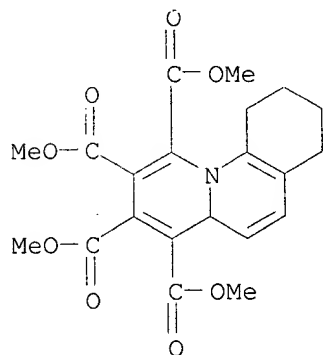
AB Treatment of cycloalkyl[b]pyridines with MeO₂CC.tplbond.CCO₂Me (I) gave tetra-Me 9aH-quinolizine-1,2,3,4-tetracarboxylates along with other quinolizines and oxoquinolizines. E.g., treatment of 6,7-dihydro-5H-cyclopenta[b]pyridine with I in DMF for 12 days gave tetracarboxylates II and III.

IT **99087-66-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 99087-66-8 CA

CN 7H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid,
4a,8,9,10-tetrahydro-
, tetramethyl ester (9CI) (CA INDEX NAME)

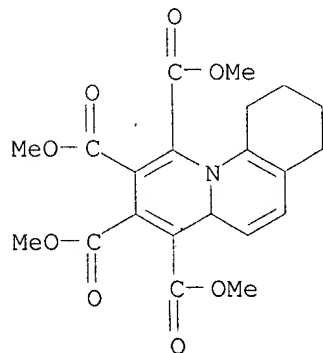


IT **99087-66-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 99087-66-8 CA

CN 7H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid,
4a,8,9,10-tetrahydro-
, tetramethyl ester (9CI) (CA INDEX NAME)



102

L7 ANSWER 7 OF 24 CA COPYRIGHT 2001 ACS
ACCESSION NUMBER: 101:210941 CA

TITLE: Addition of trimethylsilyl enol ethers to quinolinium salts: a facile synthesis of methyl 2-(2-oxoalkyl)-1,2-dihydroquinoline-1-carboxylates

and their cyclization

AUTHOR(S): Akiba, Kinya; Kobayashi, Toshifumi; Yamamoto, Yohsuke

CORPORATE SOURCE: Fac. Sci., Hiroshima Univ., Hiroshima, 730, Japan

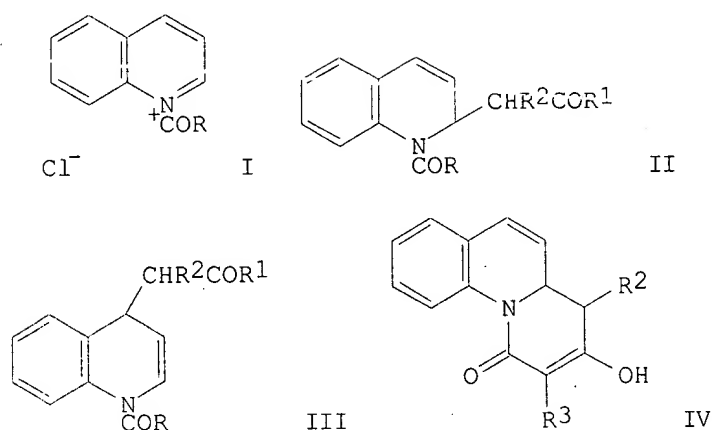
SOURCE: Heterocycles (1984), 22(7), 1519-22

CODEN: HTCYAM; ISSN: 0385-5414

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



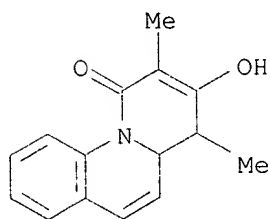
AB Addn. of $\text{R}_2\text{CH:CR}^1\text{OSiMe}_3$ [$\text{R}^1, \text{R}^2 = \text{Me, H; Ph, H; Et, Me; OMe, Me; or R}^1\text{R}^2 = (\text{CH}_2)_4$] to the quinolinium salts I ($\text{R} = \text{Me, OMe, OEt, OCH}_2\text{CCl}_3$) gave 85-99% mixts. of quinoline derivs. II and III. II ($\text{R} - \text{R}^2 = \text{OMe, Et, Me; OMe, Me, H}$) were treated with NaH to give the benzoquinolizine derivs. IV ($\text{R}^2 = \text{Me, Me; H, H; resp.}$).

IT 92637-11-1P 92637-12-2P

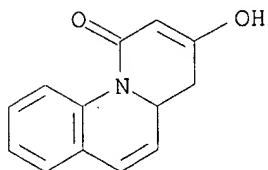
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 92637-11-1 CA

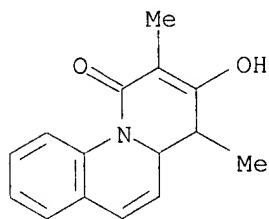
CN 1H-Benzo[c]quinolizin-1-one, 4,4a-dihydro-3-hydroxy-2,4-dimethyl- (9CI) (CA INDEX NAME)



RN 92637-12-2 CA
 CN 1H-Benzo[c]quinolizin-1-one, 4,4a-dihydro-3-hydroxy- (9CI) (CA INDEX NAME)



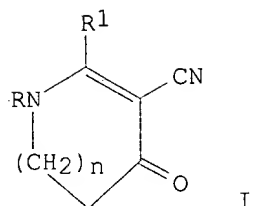
IT 92637-11-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 92637-11-1 CA
 CN 1H-Benzo[c]quinolizin-1-one, 4,4a-dihydro-3-hydroxy-2,4-dimethyl- (9CI)
 (CA INDEX NAME)



L7 ANSWER 8 OF 24 CA COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 99:212524 CA
 TITLE: 1,2-Polymethyleneketocycanoaza heterocycles
 INVENTOR(S): Volovenko, Yu. M.; Babichev, F. S.; Pustovit, Yu. M.
 PATENT ASSIGNEE(S): Kiev State University, USSR
 SOURCE: U.S.S.R. From: Otkrytiya, Izobret., Prom. Obraztsy,
 Tovarnye Znaki 1983, (25), 88.
 CODEN: URXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Russian
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
SU 1027166	A1	19830707	SU 1981-3339358	19810911

GI



AB Compds. I (RR1 = o-C6H4CH:CH, o-C6H4C6H4-o, o-C6H4NMe; n = 1, 2) are
 prepd. by treating RN:CR1CH(CN)CO(CH2)nCH2R2 (R2 = Cl, Br) with org.
 bases under reflux.

IT **87905-54-2P**

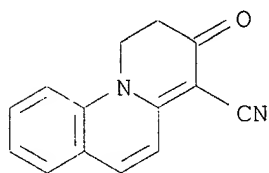
RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 87905-54-2 CA

CN 1H-Benzo[c]quinolizine-4-carbonitrile, 2,3-dihydro-3-oxo- (9CI) (CA

INDEX

NAME)



IT **87905-54-2P**

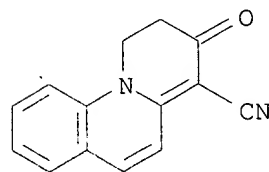
RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 87905-54-2 CA

CN 1H-Benzo[c]quinolizine-4-carbonitrile, 2,3-dihydro-3-oxo- (9CI) (CA

INDEX

NAME)



L7 ANSWER 9 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 92:110806 CA

TITLE: Addition reactions of heterocyclic compounds. Part
 69. Further studies of reactions between
 2-alkylquinolines and dimethyl acetylenedicarboxylate
 Acheson, R. Morrin; Procter, Garry

AUTHOR(S):

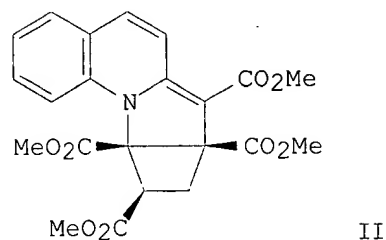
CORPORATE SOURCE:
SOURCE:

Dep. Biochem., Univ. Oxford, Oxford, OX1 3QU, Engl.
J. Chem. Soc., Perkin Trans. 1 (1979), (9), 2171-9
CODEN: JCPRB4; ISSN: 0300-922X

DOCUMENT TYPE:
LANGUAGE:

Journal
English

GI



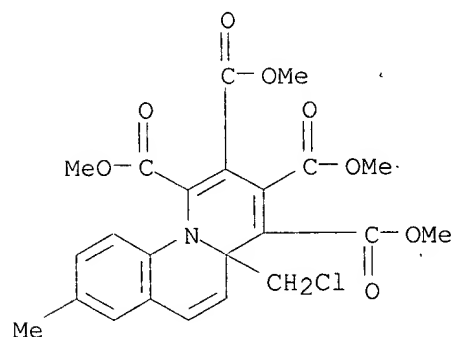
AB The reactions of MeO₂CC.tplbond.CCO₂Me (I) with Et quinoline-2-acetate, other quinolines with activated 2-Me groups, and 2-acetoxyquinoline were studied spectroscopically. Mechanistic schemes are proposed for the formation of cyclobutapyrroloquinoline II by the cycloaddn. reaction of 2-methylquinoline with I. Reactions of II, based on its previously reported azepine structure (A. et al., 1968), are reinterpreted using ¹³C NMR data.

IT 72813-97-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 72813-97-9 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid,
4a-(chloromethyl)-8-
methyl-, tetramethyl ester (9CI) (CA INDEX NAME)

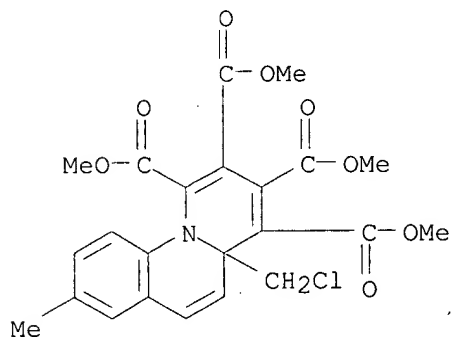


IT 72813-97-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 72813-97-9 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid,
4a-(chloromethyl)-8-
methyl-, tetramethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 10 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 91:91477 CA

TITLE: Addition reactions of heterocyclic compounds. Part
67. Products from 1-phenylbut-1-yn-3-one with

various

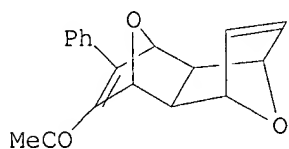
heterocycles, and from dimethyl
acetylenedicarboxylate

with some 2-substituted pyridines
AUTHOR(S): Acheson, R. Morrin; Wallis, John D.; Woollard, John
CORPORATE SOURCE: Dep. Biochem., Univ. Oxford, Oxford, Engl.
SOURCE: J. Chem. Soc., Perkin Trans. 1 (1979), (3), 584-90
CODEN: JCPRB4; ISSN: 0300-922X

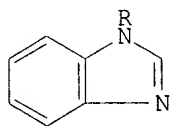
DOCUMENT TYPE: Journal

LANGUAGE: English

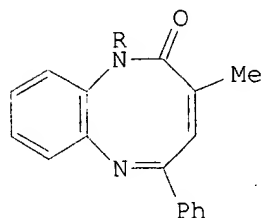
GI



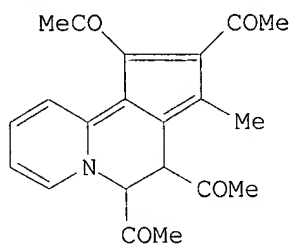
II



III



IV



V

AB Treating PhC.tplbond.CCOME (I) with 1-alkylpyrroles effected
dimerization,

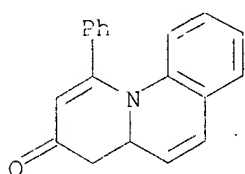
whereas with furan, the adduct II was formed. With 3-methylpyridine and quinoline, I gave dihydroquinolizinones. Treating I with benzimidazole (III; R = H) gave mainly Z-III (R = CPh:CHCOMe) with some of the corresponding E-isomer whereas with III (R = Me, Et, CH₂Ph), ring expansion to benzodiazocinones IV took place. Treating 1-(2-pyridyl)butan-2-one with MeO₂CC.tplbond.CCO₂Me gave quinolizine V, whereas other pyridines gave quinolizines, azepines, and indolizines.

IT 71127-12-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 71127-12-3 CA

CN 3H-Benzo[c]quinolizin-3-one, 4,4a-dihydro-1-phenyl- (9CI) (CA INDEX NAME)

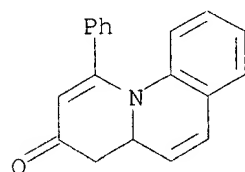


IT 71127-12-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 71127-12-3 CA

CN 3H-Benzo[c]quinolizin-3-one, 4,4a-dihydro-1-phenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 11 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 84:59142 CA

TITLE: Stable sulfur ylides. IV. Reaction of dimethylsulfonium acetylmethoxycarbonylmethylide and dimethylsulfonium diacetylmethylide with quinoline 1-oxide

AUTHOR(S): Watanabe, Mitsuaki; Kodera, Makoto; Kinoshita, Toshio;

CORPORATE SOURCE: Fac. Pharm. Sci., Nagasaki Univ., Nagasaki, Japan
SOURCE: Chem. Pharm. Bull. (1975), 23(11), 2598-604
CODEN: CPBTAL

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

AB Me₂S+C-(COMe)CO₂Me reacted with quinoline 1-oxide (I) in the presence of

BzCl to give pyrrolo[1,2-a]quinolines II(R = H, 2-quinolyl) and III. Similarly, Me₂S+C-(COMe)₂ and 3H-pyrido[1,2-a]quinoline IV.

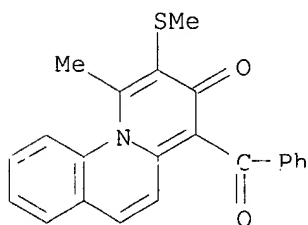
IT **58346-57-9P 58346-59-1P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 58346-57-9 CA

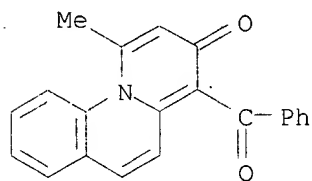
CN 3H-Benzo[c]quinolizin-3-one, 4-benzoyl-1-methyl-2-(methylthio)- (9CI)
(CA

INDEX NAME)



RN 58346-59-1 CA

CN 3H-Benzo[c]quinolizin-3-one, 4-benzoyl-1-methyl- (9CI) (CA INDEX NAME)



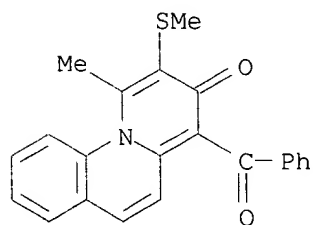
IT **58346-57-9P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 58346-57-9 CA

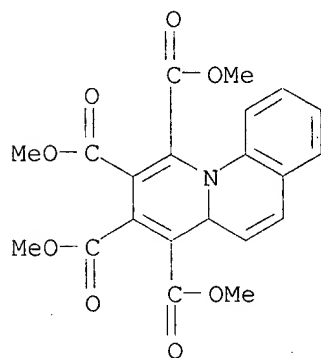
CN 3H-Benzo[c]quinolizin-3-one, 4-benzoyl-1-methyl-2-(methylthio)- (9CI)
(CA

INDEX NAME)

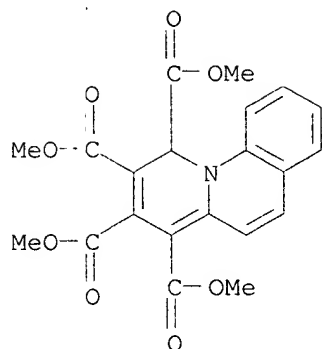


L7 ANSWER 12 OF 24 CA COPYRIGHT 2001 ACS
ACCESSION NUMBER: 82:111924 CA

TITLE: Photoisomerization of benzo[c]quinolizines.
 Isolation of the first 2H-quinolizines derivative
 AUTHOR(S): Plunkett, A. Owen
 CORPORATE SOURCE: Dep. Chem., Portsmouth Polytech., Portsmouth, Engl.
 SOURCE: Tetrahedron Lett. (1974), (48), 4181-2
 CODEN: TELEAY
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI For diagram(s), see printed CA Issue.
 AB Irradn. of tetra-Me 4aH-benzo[c]quinolizine-1,2,3,4-tetracarboxylate (I) in C₆H₆ gave the 3H-benzo[c]quinolizine II, the 1H tautomer of I, a benzo[c]indolizine, and a red dimer.
 IT **26593-23-7**
 RL: RCT (Reactant)
 (isomerization of, photochem.)
 RN 26593-23-7 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



IT **33922-39-3P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and photochem. isomerization of)
 RN 33922-39-3 CA
 CN 1H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

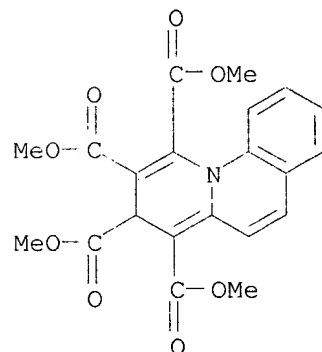


IT 54930-54-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 54930-54-0 CA

CN 3H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester
(9CI) (CA INDEX NAME)

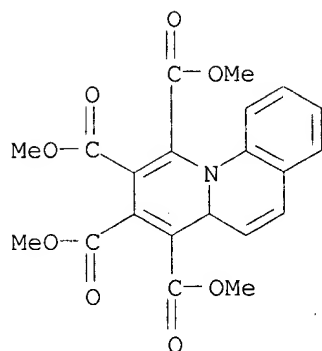


IT 26593-23-7

RL: RCT (Reactant)
(isomerization of, photochem.)

RN 26593-23-7 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester
(6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



L7 ANSWER 13 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 79:91951 CA

TITLE: Addition reactions of heterocyclic compounds. LII.
Adducts from substituted 2-methylquinolines and
dimethyl acetylenedicarboxylate

AUTHOR(S): Acheson, R. Morrin; Nisbet, Donald F.

CORPORATE SOURCE: Dep. Biochem., Univ. Oxf., Oxford, Engl.

SOURCE: J. Chem. Soc., Perkin Trans. 1 (1973), (13), 1338-46
CODEN: JCPRB4

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

AB Mono-, di- and trimethylquinolines with MeO₂CC.tplbond.CCO₂Me gave dark red adducts of two types, thought to be geometric isomers. E.g. 2-methylquinoline with MeO₂CC.tplbond.CCO₂Me gave a mixt. contg. hexa-Me 6,7,7a,8-tetrahydrobenzo[f]cyclopenta[a]quinolizine-6,7,7a,8,9,-10-hexacarboxylate (I) and an isomer. Other products from these reactions included benzo[c]quinolizine-, azepino [1,2-a]quinoline-, and 2-propenylquinolinecarboxylates. 2,8-Dimethyl- and 2,4,6,8-tetramethylquinoline also gave 2-[tris(methoxycarbonyl)phenyl]quinolines.

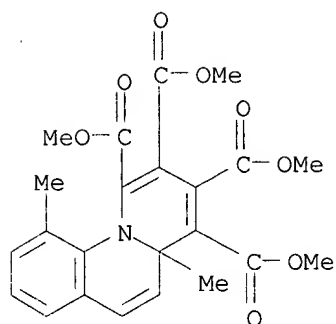
IT 49616-77-5P 49616-91-3P 49616-95-7P

49616-96-8P

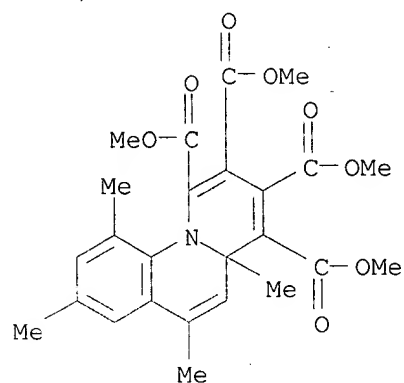
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 49616-77-5 CA

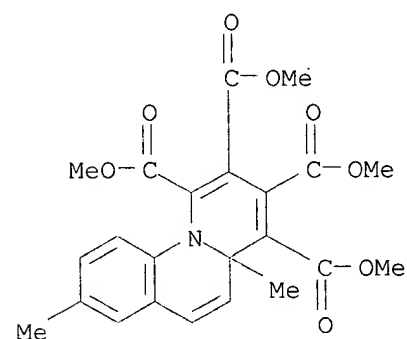
CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a,10-dimethyl-,
tetramethyl ester (9CI) (CA INDEX NAME)



RN 49616-91-3 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a,6,8,10-tetramethyl-, tetramethyl ester (9CI) (CA INDEX NAME)

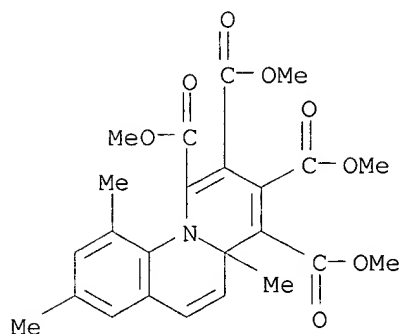


RN 49616-95-7 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a,8-dimethyl-, tetramethyl ester (9CI) (CA INDEX NAME)



RN 49616-96-8 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a,8,10-trimethyl-,

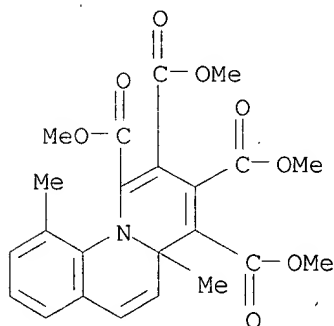
tetramethyl ester (9CI) (CA INDEX NAME)



IT 49616-77-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 49616-77-5 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a,10-dimethyl-,
tetramethyl ester (9CI) (CA INDEX NAME)

L7 ANSWER 14 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 76:114251 CA

TITLE: High-modulus-elasticity polycarbonate compositions

INVENTOR(S): Jackson, Winston J., Jr.; Caldwell, John R.

PATENT ASSIGNEE(S): Eastman Kodak Co.

SOURCE: U.S., 10 pp. Continuation-in-part of U.S. 3,386,935
(CA 69;28318h).

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3625877	A	19711207	US 1968-696124	19680108

AB Addns. of 2-50% stiffening agent, such as polystyrene thioglycol [34568-07-5] with mol. wt. 444-3400, abietyl alc. (I) [666-84-2] hydrogenated I, and mono and diesters obtained from the condensation of unsatd. and hydrogenated I with mono-and dicarboxylic acids contg.

.leq.19

C atoms, to bisphenol polycarbonates and polyesters increased the modulus, tensile strength, and hardness of the polymers while decreasing elongation. Thus, a bisphenol A-phosgene copolymer [25971-63-5] was mixed

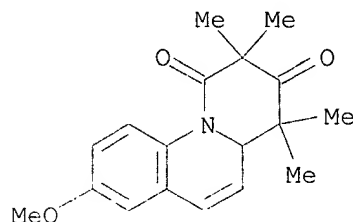
with 20% Me abietate [127-25-3] and the compn. was injection molded into articles with modulus 4.7 .tim. 105 psi, break strength 12,700 psi and elongation at break 4%. Articles molded from a polymer compn. contg. 20% di-Bu phthalate had modulus 3.0 .tim. 105 psi, break strength 7000 psi, and elongation at break 14%.

IT 16977-99-4

RL: USES (Uses)
(stiffening agents, for polyesters)

RN 16977-99-4 CA

CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-8-methoxy-2,2,4,4-tetramethyl- (8CI, 9CI) (CA INDEX NAME)

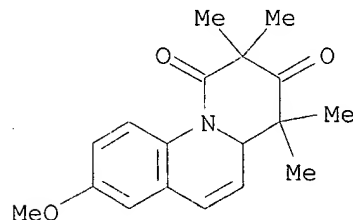


IT 16977-99-4

RL: USES (Uses)
(stiffening agents, for polyesters)

RN 16977-99-4 CA

CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-8-methoxy-2,2,4,4-tetramethyl- (8CI, 9CI) (CA INDEX NAME)

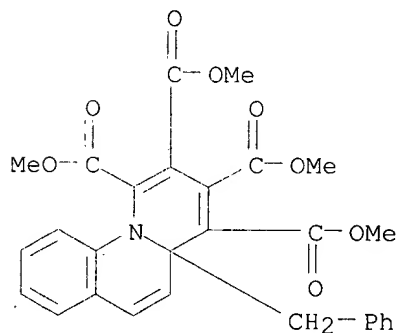


L7 ANSWER 15 OF 24 CA COPYRIGHT 2001 ACS

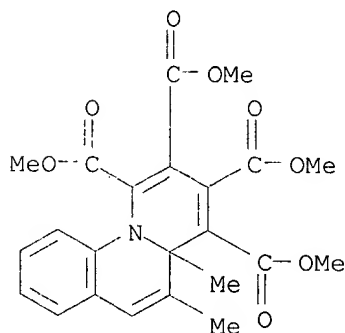
ACCESSION NUMBER: 75:140662 CA

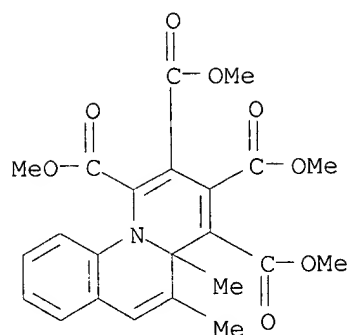
TITLE: Addition reactions of heterocyclic compounds. XLV.
New azepines from substituted 2-methylquinolines and

AUTHOR(S): dialkyl acetylenedicarboxylates
 Acheson, R. M.; Nisbet, D. F.
 CORPORATE SOURCE: Dep. Biochem., Univ. Oxford, Oxford, Engl.
 SOURCE: J. Chem. Soc. C (1971), (19), 3291-6
 CODEN: JSOOAX
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI For diagram(s), see printed CA Issue.
 AB 3- and 4-Substituted 2-methylquinolines (e.g. 2,4-dimethylquinoline)
 reacted with MeO₂CC.tplbond.CCO₂Me to give tetra-Me 10,11-dihydroazepino-
 [1,2-a]quinoline-7,8,9,10-tetracarboxylates (e.g. I) and tetra-Me
 4a-methyl-4aH-benzo[c]quinolizine-1,2,3,4-tetracarboxylates (e.g. II).
 2-Benzylquinoline reacted similarly, but 2-ethyl-and
 2,3-dimethylquinoline
 gave mixts. of the azepinoquinoline-7,8,9,10- and -7,8,9,11-
 tetracarboxylates.
 IT **33898-14-5P 33898-29-2P 33898-31-6P**
33898-32-7P 33898-36-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 33898-14-5 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-benzyl-,
 tetramethyl ester (8CI) (CA INDEX NAME)

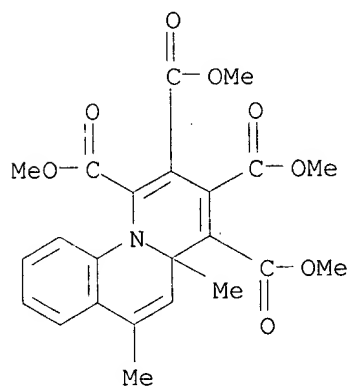


RN 33898-29-2 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a,5-dimethyl-,
 tetramethyl ester (8CI) (CA INDEX NAME)

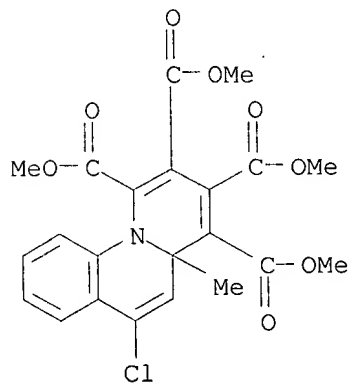




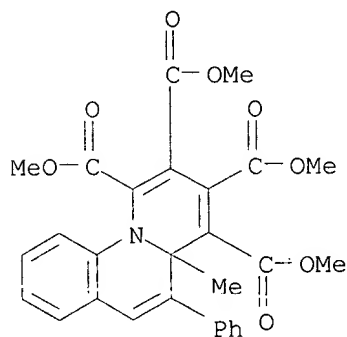
RN 33898-31-6 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a,6-dimethyl-,
 tetramethyl ester (8CI) (CA INDEX NAME)



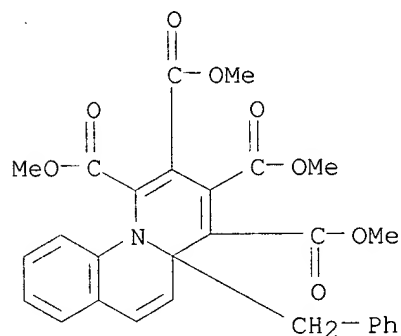
RN 33898-32-7 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid,
 6-chloro-4a-methyl-,
 tetramethyl ester (8CI) (CA INDEX NAME)



RN 33898-36-1 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid,
 4a-methyl-5-phenyl-,
 tetramethyl ester (8CI) (CA INDEX NAME)



IT 33898-14-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 33898-14-5 CA
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-benzyl-,
 tetramethyl ester (8CI) (CA INDEX NAME)



L7 ANSWER 16 OF 24 CA COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 75:140657 CA
 TITLE: Addition reactions of heterocyclic compounds. XLIV.
 Synthesis and photoisomerism of some quinolizine
 esters
 AUTHOR(S): Acheson, R. M.; Stubbs, J. K.
 CORPORATE SOURCE: Dep. Biochem., Univ. Oxford, Oxford, Engl.
 SOURCE: J. Chem. Soc. C (1971), (19), 3285-91
 CODEN: JSOOAX
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI For diagram(s), see printed CA Issue.
 AB D labeling showed that the thermal rearrangement of tetra-Me

4aH-benzo[c]quinolizine-1,2,3,4-tetracarboxylate into the 1H-isomer is an intramol. process whereas the photochem. conversion involves D exchange with MeOH as solvent. MeO₂CC.tplbond.CCO₂Me reacted with 2-isopropyl- and

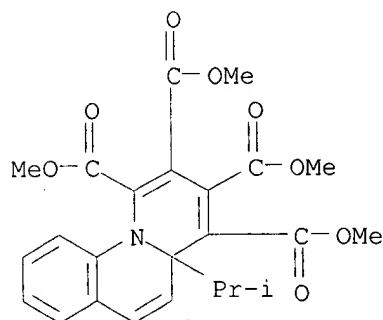
2-styrylquinoline, 2,3-dihydro-1H-cyclopenta[b]quinoline, and 1,2,3,4-tetrahydroacridine to give tetra-Me 4a-isopropyl- and 4a-styryl-4aH-benzo[c]quinolizine-1,2,3,4-tetracarboxylates, tetra-Me 6,7-dihydro-5H-benzo[c]cyclopenta[j]quinolizine-1,2,3,4-tetracarboxylate (I), and tetra-Me 5,6,7,8-tetrahydrodibenzo[cj]quinolizine-1,2,3,4-tetracarboxylate (II), resp. Irradn. of these quinolizines and other quinolizines with bridgehead H atoms or alkyl groups caused migration of the bridgehead group to C-1 in sterically favorable cases, sometimes with the formation of pyrroloazepines.

IT 33922-40-6P 33996-25-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and photochem. rearrangement of)

RN 33922-40-6 CA

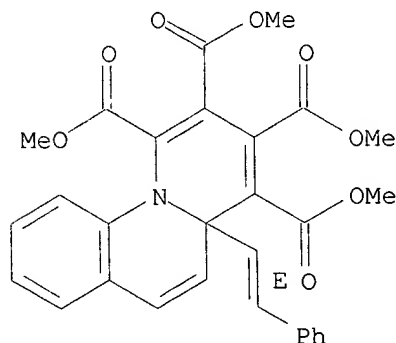
CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-isopropyl-, tetramethyl ester (8CI) (CA INDEX NAME)



RN 33996-25-7 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-styryl-, tetramethyl ester, (E)- (8CI) (CA INDEX NAME)

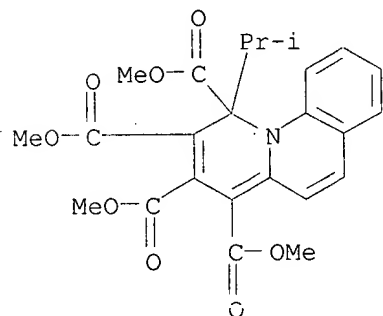
Double bond geometry as shown.



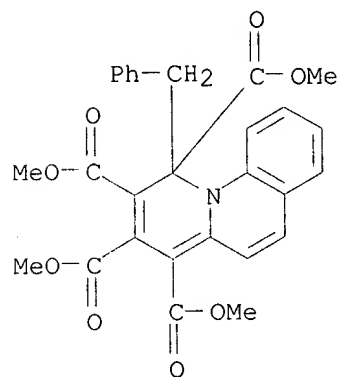
IT 33922-37-1P 33922-38-2P 33922-39-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

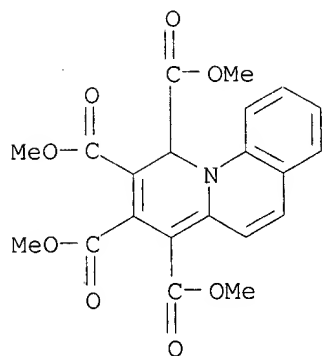
(prepn. of)
 RN 33922-37-1 CA
 CN 1H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 1-isopropyl-,
 tetramethyl ester (8CI) (CA INDEX NAME)



RN 33922-38-2 CA
 CN 1H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 1-benzyl-,
 tetramethyl ester (8CI) (CA INDEX NAME)



RN 33922-39-3 CA
 CN 1H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester
 (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



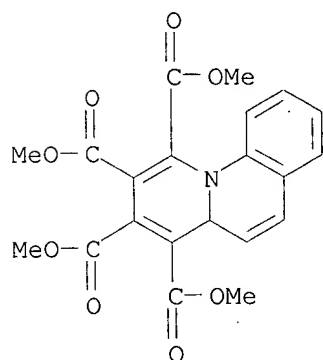
IT 26593-23-7 33898-14-5

RI: RCT (Reactant)

(rearrangement of, photochem.)

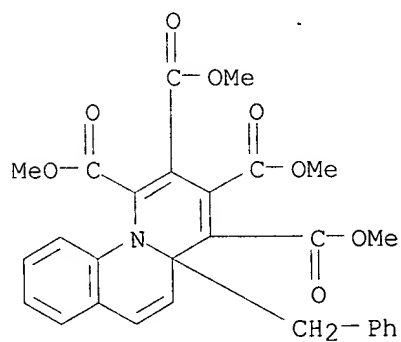
RN 26593-23-7 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester
(6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



RN 33898-14-5 CA

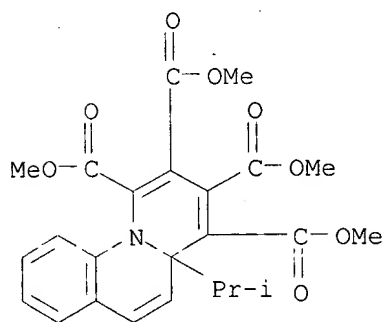
CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-benzyl-,
tetramethyl ester (8CI) (CA INDEX NAME)



IT 33922-40-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and photochem. rearrangement of)

RN 33922-40-6 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-isopropyl-,
tetramethyl ester (8CI) (CA INDEX NAME)

L7 ANSWER 17 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 75:129616 CA

TITLE: Addition reactions of heterocyclic compounds. XLVI.
Reactions of acetylenic esters with pyridines in the
presence of proton donors, and with alkyl
3-(2-pyridyl)-trans-acrylates
AUTHOR(S): Acheson, R. M.; Woollard, J. McK.
CORPORATE SOURCE: Dep. Biochem., Univ. Oxford, Oxford, Engl.
SOURCE: J. Chem. Soc. C (1971), (19), 3296-305
CODEN: JSOQAX

DOCUMENT TYPE: Journal

LANGUAGE: English

AB 3,5-Dimethylpyridine and HC.tplbond.CCO2Me gave Me

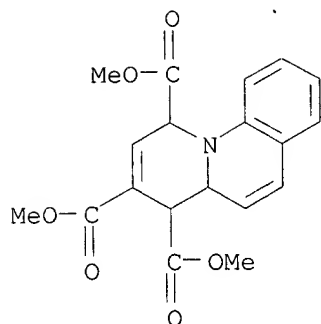
1,2-dihydro-1-[trans-2-(methoxycarbonyl)vinyl]-3,5-dimethyl-2-pyridinepropiolate. Pyridine and
its 3-Me and 3,5-di-Me derivs. reacted with HC.tplbond.CCO2Me-MeOH to
giveMe 1,2-dihydro-2-methoxy-1-pyridineacrylates, and with
HC.tplbond.CCO2-Me-H2O to give Me 1-pyridineacrylates contg. a
(methoxycarbonylvinyloxy)(methoxycarbonyl)vinyl side chain. Reaction of
3,5-dimethylpyridine with HC.tplbond.CCO2Me-PhOH gave a 1:19 mixt. of Me
cis and trans-phenoxyacrylates. Et 3-(2-pyridyl)-trans-acrylate with
acetylenic mono- and diesters gave 4H-quinolizines via a spiro
intermediate, with apparent migration of an ester group.

IT 33802-96-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 33802-96-9 CA

CN 1H-Benzo[c]quinolizine-1,3,4-tricarboxylic acid, 4,4a-dihydro-, trimethyl
ester (8CI) (CA INDEX NAME)

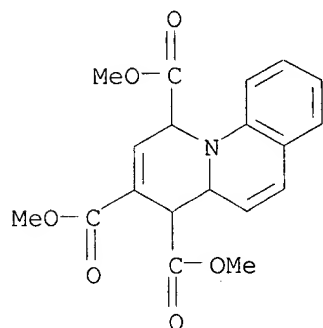


IT 33802-96-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 33802-96-9 CA

CN 1H-Benzo[c]quinolizine-1,3,4-tricarboxylic acid, 4,4a-dihydro-, trimethyl ester (8CI) (CA INDEX NAME)



L7 ANSWER 18 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 75:98516 CA

TITLE: Ketenes. XIV. Adducts of dimethylketene with C:N compounds

AUTHOR(S): Martin, James Cuthbert; Brannock, Kent C.; Burpitt, Robert D.; Gott, P. Glenn; Hoyle, V. A., Jr.

CORPORATE SOURCE: Tennessee Eastman Co. Div., Eastman Kodak Co., Kingsport, Tenn., USA

SOURCE: J. Org. Chem. (1971), 36(16), 2211-15
CODEN: JOCEAH

DOCUMENT TYPE: Journal

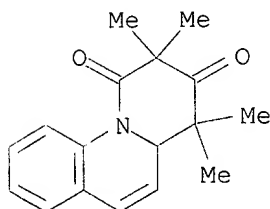
LANGUAGE: English

AB The structures of the 2:1 adducts of dimethylketene with azomethines and N-heterocycles were incorrectly assigned in the early literature. These materials are oxazinone derivs. rather than piperidinediones. For some C.N compds., bulky substituents on the N of the azomethine and use of solvents of low polarity favor .beta.-lactam formation at the expense of oxazinone.

IT 6082-64-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

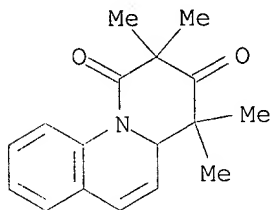
RN 6082-64-0 CA
CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-2,2,4,4-tetramethyl-
(7CI, 8CI) (CA INDEX NAME)



IT 6082-64-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 6082-64-0 CA
CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-2,2,4,4-tetramethyl-
(7CI, 8CI) (CA INDEX NAME)



L7 ANSWER 19 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 72:3340 CA

TITLE: Addition reactions of heterocyclic compounds. XLI.
Photolysis of some quinolizine esters

AUTHOR(S): Acheson, Richard M.; Stubbs, J. K.

CORPORATE SOURCE: Dep. Biochem., Oxford, Engl.

SOURCE: J. Chem. Soc. C (1969), (17), 2316-19

CODEN: JSOOAX

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

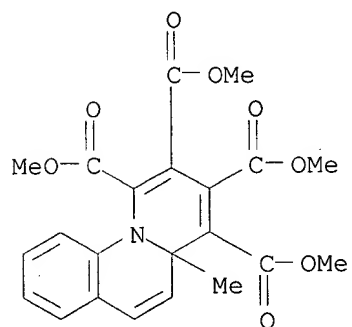
AB The irradiation of some tetramethyl 9aH-quinolizine-1,2,3,4-tetracarboxylates gave low yields of pyrrolo[1,2-a]azepines (e.g. I); similar 4aH-benzo[c]quinolizines gave corresponding 1H-isomers and other compounds. The NMR and mass spectra and mode of formation of the products are discussed.

IT 17260-83-2 17260-99-0 26593-23-7

RL: RCT (Reactant)
(photolysis of)

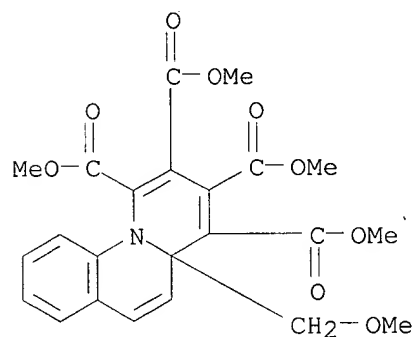
RN 17260-83-2 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-methyl-, tetramethyl ester (7CI, 8CI) (CA INDEX NAME)



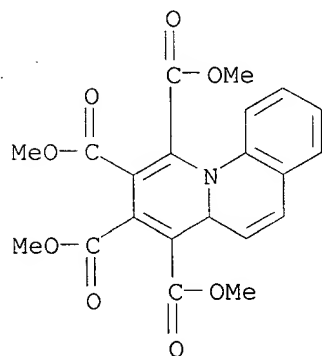
RN 17260-99-0 CA

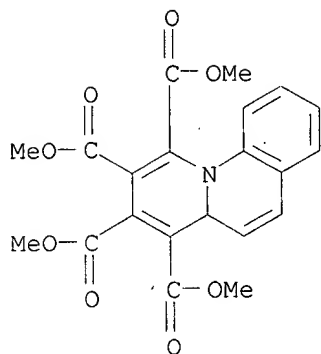
CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-(methoxymethyl)-, tetramethyl ester (8CI) (CA INDEX NAME)



RN 26593-23-7 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



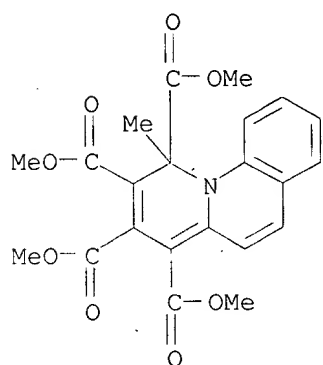


IT 24287-75-0P 24287-77-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

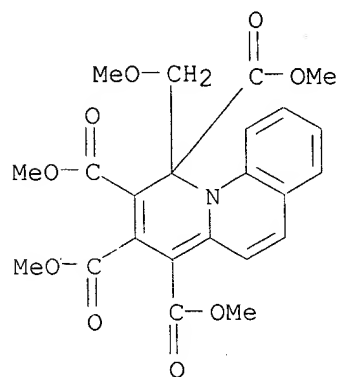
RN 24287-75-0 CA

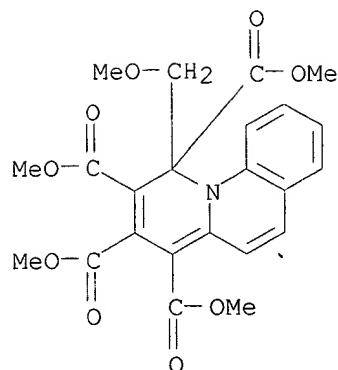
CN 1H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 1-methyl-,
tetramethyl ester (8CI) (CA INDEX NAME)



RN 24287-77-2 CA

CN 1H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 1-(methoxymethyl)-,
tetramethyl ester (8CI) (CA INDEX NAME)

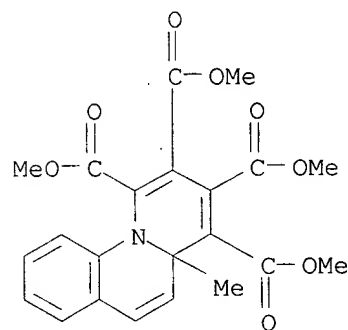




IT 17260-83-2

RL: RCT (Reactant)
(photolysis of)

RN 17260-83-2 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-methyl-,
tetramethyl ester (7CI, 8CI) (CA INDEX NAME)

L7 ANSWER 20 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 69:28318 CA

TITLE: High modulus polyester and polycarbonate compositions

INVENTOR(S): Jackson, Winston J., Jr.; Caldwell, John R.

PATENT ASSIGNEE(S): Eastman Kodak Co.

SOURCE: U.S., 9 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3386935	A	19680604	US 1966-561370	19660629

GI For diagram(s), see printed CA Issue.

AB Antiplasticizers increase the modulus, tensile strength, m.p.,
heat-distortion temp., and hardness of polycarbonate and polyester
compsns.

making them useful for the prepn. of films, fibers, and shaped articles. Thus, to a polycarbonate with inherent viscosity 1.01 prepd. from bisphenol A and COCl₂ was added 20 wt. % polystyrylene glycol (I) (mol. wt. 500). The resulting compn. had modulus 4.6 .times. 10⁵ psi., break strength 13,500 psi. and 4% elongation at break, compared with the same polycarbonate with no additive or with conventionally used dibutyl phthalate, resp., modulus 3.0-3.3 .times. 10⁵, 3.0 .times. 10⁵ psi.,

break

strength 9000-9500, 7000 psi.; and 20-90%, 14% elongation at break. Similar tests were performed on other polycarbonates and additives. Polyesters were also studied.

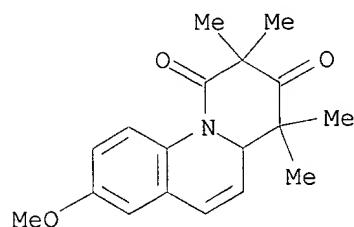
IT 16977-99-4

RL: USES (Uses)

(as antiplasticizer, for polyesters)

RN 16977-99-4 CA

CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-8-methoxy-2,2,4,4-tetramethyl- (8CI, 9CI) (CA INDEX NAME)



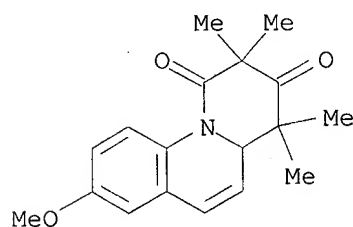
IT 16977-99-4

RL: USES (Uses)

(as antiplasticizer, for polyesters)

RN 16977-99-4 CA

CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-8-methoxy-2,2,4,4-tetramethyl- (8CI, 9CI) (CA INDEX NAME)



L7 ANSWER 21 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 68:68849 CA

TITLE: Addition reactions of heterocyclic compounds. XXX. Acetylenedicarboxylic esters with benzopyridines possessing activated methyl groups

AUTHOR(S): Acheson, Richard M.; Gagan, J. M. F.; Harrison, Derek R.

CORPORATE SOURCE: Dep. Biochem., Oxford, Engl.

SOURCE: J. Chem. Soc. C (1968), (4), 362-78
CODEN: JSOOAX

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

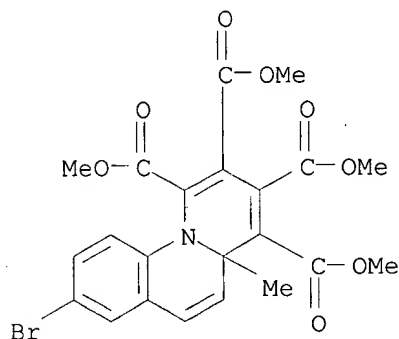
AB Dimethyl and diethyl acetylenedicarboxylate, with 2-methylquinoline and some derivs., 1-methylisoquinoline, and 6-methylphenanthridine, give dihydroazepines with the migration of an ester group; benzoquinolizines, such as I, and other products are also formed. The N.M.R. spectra of the ethoxycarbonyldihydroazepines and some derivs. were fully analyzed. Hydrogenation, protonation, bromination, hydrolysis, and oxidn. of the azepines were investigated, and a scheme for their formation is proposed. The N.M.R. spectra for some benzoquinolizines are tabulated. 36 references.

IT 17247-10-8P 17260-83-2P 17260-99-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

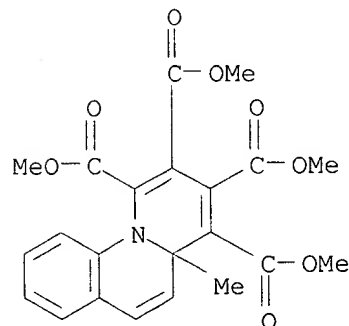
RN 17247-10-8 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 8-bromo-4a-methyl-, tetramethyl ester (8CI) (CA INDEX NAME)



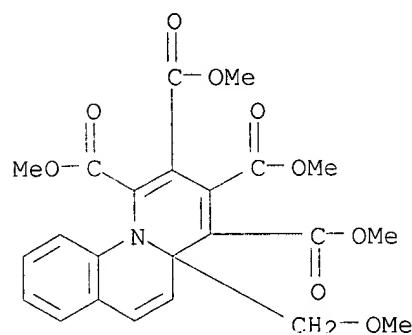
RN 17260-83-2 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-methyl-, tetramethyl ester (7CI, 8CI) (CA INDEX NAME)



RN 17260-99-0 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid,
4a-(methoxymethyl)-,
tetramethyl ester (8CI) (CA INDEX NAME)

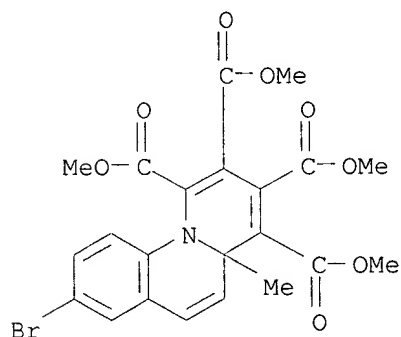


IT 17247-10-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 17247-10-8 CA

CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 8-bromo-4a-methyl-,
tetramethyl ester (8CI) (CA INDEX NAME)



L7 ANSWER 22 OF 24 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 68:68845 CA

TITLE: Addition reactions of heterocyclic compounds.
XXXIII.

AUTHOR(S): New adducts from some pyridines and dimethyl
acetylenedicarboxylate
Acheson, Richard M.; Foxton, Michael W.; Hands,
Anthony R.

CORPORATE SOURCE: Dep. Biochem., Oxford, Engl.

SOURCE: J. Chem. Soc. C (1968), (4), 387-9
CODEN: JSOOAX

DOCUMENT TYPE: Journal

LANGUAGE: English

AB 1,2- and 1,3-Adducts were obtained from both 2-phenyl- and

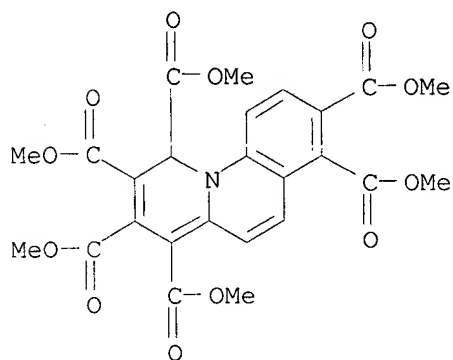
2-vinylpyridines with dimethyl acetylenedicarboxylate, and their structures deduced largely from N.M.R. spectra. The adducts from 2-phenylpyridine possess one very high-field ester resonance due to shielding by the phenyl ring.

IT 17880-55-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 17880-55-6 CA

CN 1H-Benzo[c]quinolizine-1,2,3,4,7,8-hexacarboxylic acid, hexamethyl ester
(8CI) (CA INDEX NAME)

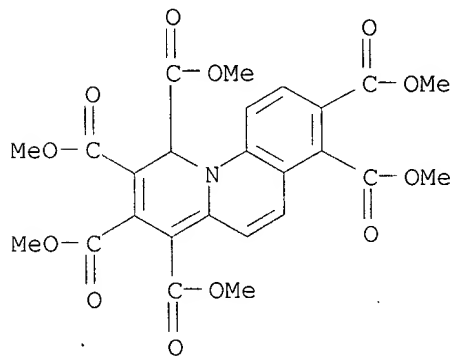


IT 17880-55-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 17880-55-6 CA

CN 1H-Benzo[c]quinolizine-1,2,3,4,7,8-hexacarboxylic acid, hexamethyl ester
(8CI) (CA INDEX NAME)



L7 ANSWER 23 OF 24 CA COPYRIGHT 2001 ACS

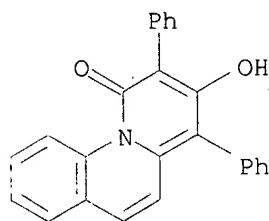
ACCESSION NUMBER:

68:39445 CA

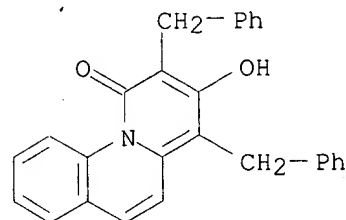
TITLE:

Syntheses of heterocycles. XCIX. Quinolizines and indolizines. 4. Synthesis of hydroxybenzoquinolizinones

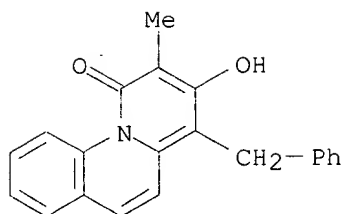
AUTHOR(S): Kappe, Thomas
 CORPORATE SOURCE: Univ. Graz, Graz, Aust.
 SOURCE: Monatsh. Chem. (1967), 98(6), 2148-56
 CODEN: MOCHAP
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 GI For diagram(s), see printed CA Issue.
 AB 2-Alkylquinolines (I) react with monosubstituted 2,4,6-trichlorophenyl malonates $\text{CHR}(\text{CO}_2\text{C}_6\text{H}_2\text{Cl}_3)_2$ (II) at 250.degree. to give derivs. of hydroxybenzo[c]quinolizinone. The reaction of quinaldine itself with II leads to pyronoquinolizinones (III). The reaction of II with 1-methylisoquinoline yields 2-hydroxy-4H-benzo[a]quinolizin-4-ones, and with 6-alkylphenanthridines dibenzo[a,c]quinolizinones are obtained. Carbon suboxide (C_3O_2) is added readily to ethyl 2-quinolylacetate yielding 4-ethoxycarbonyl-3-hydroxy-1H-benzo[c]quinolizin-1-one.
 IT 16956-10-8P 16956-11-9P 16956-12-0P
 16956-13-1P 16956-14-2P 16956-15-3P
 16956-16-4P 16956-17-5P 16959-54-9P
 16959-55-0P 17037-01-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 16956-10-8 CA
 CN 1H-Benzo[c]quinolizin-1-one, 3-hydroxy-2,4-diphenyl- (8CI) (CA INDEX NAME)



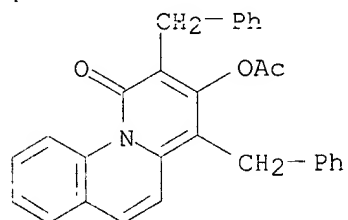
RN 16956-11-9 CA
 CN 1H-Benzo[c]quinolizin-1-one, 2,4-dibenzyl-3-hydroxy- (8CI) (CA INDEX NAME)



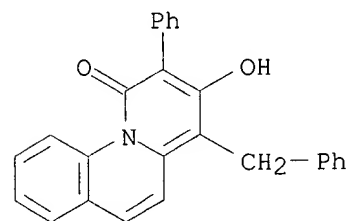
RN 16956-12-0 CA
 CN 1H-Benzo[c]quinolizin-1-one, 4-benzyl-3-hydroxy-2-methyl- (8CI) (CA INDEX NAME)



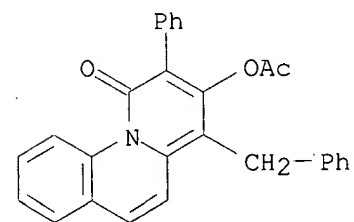
RN 16956-13-1 CA
 CN 1H-Benzo[c]quinolizin-1-one, 2,4-dibenzyl-3-hydroxy-, acetate (ester)
 (8CI) (CA INDEX NAME)

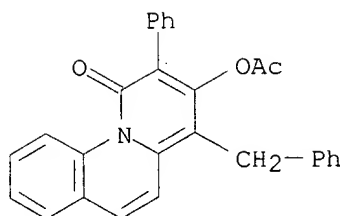


RN 16956-14-2 CA
 CN 1H-Benzo[c]quinolizin-1-one, 4-benzyl-3-hydroxy-2-phenyl- (8CI) (CA
 INDEX
 NAME)

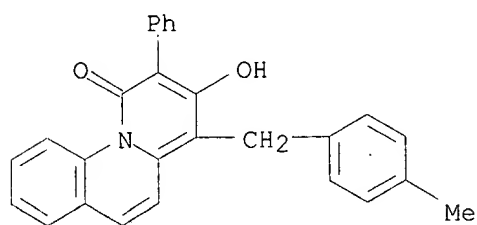


RN 16956-15-3 CA
 CN 1H-Benzo[c]quinolizin-1-one, 4-benzyl-3-hydroxy-2-phenyl-, acetate
 (ester)
 (8CI) (CA INDEX NAME)

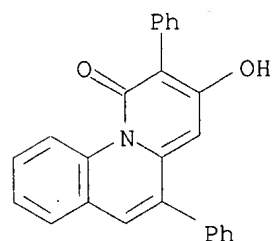




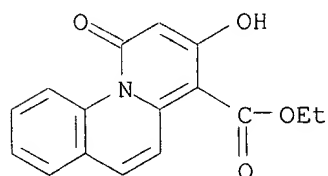
RN 16956-16-4 CA
 CN 1H-Benzo[c]quinolizin-1-one, 3-hydroxy-4-(p-methylbenzyl)-2-phenyl- (8CI)
 (CA INDEX NAME)



RN 16956-17-5 CA
 CN 1H-Benzo[c]quinolizin-1-one, 3-hydroxy-2,5-diphenyl- (8CI) (CA INDEX
 NAME)

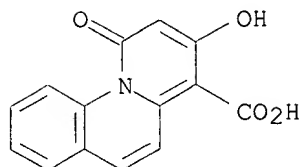


RN 16959-54-9 CA
 CN 1H-Benzo[c]quinolizine-4-carboxylic acid, 3-hydroxy-1-oxo-, ethyl ester
 (8CI) (CA INDEX NAME)

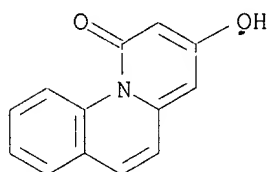


RN 16959-55-0 CA
 CN 1H-Benzo[c]quinolizine-4-carboxylic acid, 3-hydroxy-1-oxo- (8CI) (CA

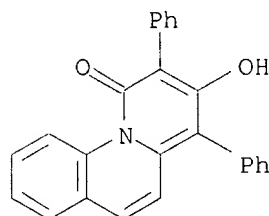
INDEX NAME)



RN 17037-01-3 CA
 CN 1H-Benzo[c]quinolizin-1-one, 3-hydroxy- (8CI) (CA INDEX NAME)



IT **16956-10-8P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 16956-10-8 CA
 CN 1H-Benzo[c]quinolizin-1-one, 3-hydroxy-2,4-diphenyl- (8CI) (CA INDEX NAME)

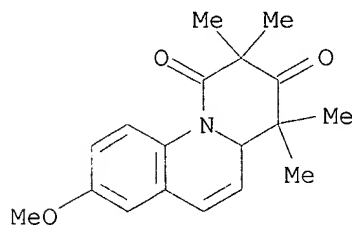


L7 ANSWER 24 OF 24 CA COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 67:64959 CA
 TITLE: Antiplasticization. II. Characteristics of
 antiplasticizers.
 AUTHOR(S): Jackson, Winston Jerome, Jr.; Caldwell, John R.
 CORPORATE SOURCE: Tennessee Eastman Co., Kingsport, Tenn., USA
 SOURCE: J. Appl. Polym. Sci. (1967), 11(2), 211-26
 CODEN: JAPNAB
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The characteristics of materials which act as antiplasticizers for
 bisphenol polycarbonates are discussed. Antiplasticizers increase the
 modulus and tensile strength of polycarbonate films and lower the
 elongation, while plasticizers decrease the modulus and tensile strength,

and, in sufficient quantities, increase the elongation. Films of polycarbonates contg. additives were cast from CH₂Cl₂ onto glass plates [antiplasticizer, modulus .times.10⁻⁵ (psi.), yield strength (psi.), break strength (psi.), elongation at break (%), Elmendorf tear strength (g./mil) given]: none, 3.0-3.3, 8500-9000, 9000-9500, 20-90, 15; Aroclor 1242 (chlorinated biphenyl), 3.9, -, 9000, 9, -, Aroclor 1254, 4.5, -, 14,200, 4, 24; HO(CHPhCH₂O)nH (mol. wt. 500), 4.6, -, 13,500, 4, 22; 1-(2,4-dinitrophenyl)-2-phenylethene, 3.7, -, 9800, 4, 20; 2,2'-dinitrobiphenyl, 4.4, -, 12,000, 4, 22; 3,4-dichlorophenyl benzenesulfonate, 3.8, 10,000, 9300, 11, 21; 2,5-dimethyldiphenyl sulfone, 4.2, 9500, 9700, 15, 21; 2,4-dimethoxydiphenyl sulfone, 4.6, 12,000, 10,200, 12, 19; N,N'-diphenyl-N,N'-ditosylethylenediamine, 4.4, -, 12,300, 5, 19; bis[2,2-dimethyl-3-(m-tolyloxy)propyl] carbonate, 4.3, -, 10,100, 3, -; bis(2,4,6-tribromophenoxyethyl) isophthalate, 4.3, -, 12,700, 5, 24; pentaerythritol tetrakis[.alpha.-(3-hydroxy-4-benzoylphenoxy)acetate], 4.3, -, 13,500, 4, 23; Abalyn (Me abietate), 4.7, -, 12,700, 4, 23; 1-isopropylidene-4,4-dimethyl-4,4a-dihydro-1H, 3H, [1,3]oxazino[3,4-a]quinolin-3-one, 4.3, -, 12,700, 5, 27; 2,2,4,4-tetramethyl-8-methoxy-4aH-benzo[c]quinolizine-1,3(2H,4H)-dione, 4.3, -, 13,200, 5, 23. Results are also given for di-Me phthalate, di-Bu phthalate, dicyclohexyl phthalate, bis[p-(1,1,3,3-tetramethylbutyl)phenyl]phthalate, and di-Ph phthalate. Cf. CA 63: 11791g.

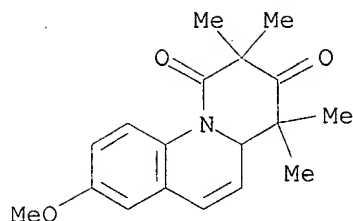
IT **16977-99-4**
 RL: USES (Uses)
 (as antiplasticizer for polycarbonates)

RN 16977-99-4 CA
 CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-8-methoxy-2,2,4,4-tetramethyl- (8CI, 9CI) (CA INDEX NAME)



IT **16977-99-4**
 RL: USES (Uses)
 (as antiplasticizer for polycarbonates)

RN 16977-99-4 CA
 CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-8-methoxy-2,2,4,4-tetramethyl- (8CI, 9CI) (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	108.56	242.58
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-14.56	-14.56

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FILE COVERS 1907-1966
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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=> d his

(FILE 'HOME' ENTERED AT 16:00:16 ON 20 MAR 2001)

FILE 'REGISTRY' ENTERED AT 16:00:21 ON 20 MAR 2001

L1 STRUCTURE UPLOADED
 L2 7 S L1
 L3 155 S L2 FULL

FILE 'CA' ENTERED AT 16:01:47 ON 20 MAR 2001

L4 31 S L3
 L5 7 S L4 AND GUARNA, A?/AU
 L6 2 S L5 AND PD < JANUARY 1998
 L7 24 S L4 NOT L5

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=> s 13

L8 10 L3

=> d 18, all, 1-10

L8 ANSWER 1 OF 10 CAOLD COPYRIGHT 2001 ACS

AN CA65:7140e CAOLD

TI benzo[c]quinolizinium salts via intramol. cyclization

AU Fozard, Alan; Bradsher, C. K.

IT	2739-76-6	2739-92-6	5330-37-0	5350-12-9	6772-68-5	6772-69-6
	6772-70-9	6772-71-0	6772-72-1	6772-73-2	6772-75-4	6772-76-5
	6772-79-8	6772-80-1	6772-81-2	6772-82-3	6772-83-4	6772-84-5
	6772-85-6	6772-87-8	6772-88-2	6772-89-0	6772-90-3	6772-91-4
	6772-92-5	6772-93-6	6772-94-7	6772-95-8	6772-96-9	6772-97-0
	6772-98-1	6773-02-0	6773-05-3	6798-04-5	6798-05-6	6886-46-0
	76293-41-9	92102-81-3	92103-32-7	92290-56-7	92290-57-8	93535-01-4
	94998-27-3	96279-83-3	96279-91-3	96329-85-0	96953-93-4	
	96984-48-4	96984-49-5	97027-22-0	97437-83-7	97834-69-0	98655-38-0
	100299-73-8	106480-77-7	106742-14-7	107541-63-9		
	107543-02-2					

L8 ANSWER 2 OF 10 CAOLD COPYRIGHT 2001 ACS

AN CA64:15941e CAOLD

TI azasteroids - (III) 9-azasteroids

AU Schleigh, William R.; Popp, F. D.

TI prepn. and chemistry of 10.alpha.-estra-4-en-3-ones

AU Farkas, Eugene; Owen, J. M.; Debono, M.; Molloy, R. M.; Marsh, M. M.

IT	434-22-0	4491-36-5	4527-66-6	4527-67-7	4620-34-2	
	4660-20-2	5233-21-6	5233-22-7	5233-23-8	5233-24-9	5670-42-8
	5670-43-9	5670-44-0	5670-45-1	5670-46-2	5670-47-3	5670-51-9
	5670-52-0	5670-53-1	5670-54-2	5670-55-3	5670-56-4	5670-57-5
	5696-23-1	5696-24-2	6017-86-3			

L8 ANSWER 3 OF 10 CAOLD COPYRIGHT 2001 ACS

AN CA64:6613c CAOLD

TI synthesis of 9-azasteroids - (II) synthesis of .beta.-cyano- and .beta.-carbethoxy-3- and 4-oxo-1,2,3,4,5,6-hexahydrobenzo[c]quinolizines

AU Jones, Gurnos; Wood, J.

IT	539-74-2	592-55-2	1679-47-6	2213-09-4	5100-50-5	5100-51-6
	5100-52-7	5100-53-8	5100-54-9	5100-55-0	5100-56-1	
	5100-57-2	5100-58-3	5100-59-4	5100-61-8	5100-62-9	
	5100-63-0	5100-64-1	5100-65-2	5100-66-3		
	5100-67-4	5100-68-5	5100-69-6	5100-70-9		
	5100-71-0	5100-72-1	5100-73-2	5100-74-3	5100-75-4	
	5100-76-5	5100-77-6	5100-78-7	5161-93-3		
	5161-95-5	5161-98-8	5161-99-9	5569-24-4	5688-31-3	
	6166-32-1	14283-09-1				

L8 ANSWER 4 OF 10 CAOLD COPYRIGHT 2001 ACS

AN CA64:6613b CAOLD

TI synthesis and reactions of 1-carbamoyl- 1 1-oxoindeno[1,2-c]isoquinoline

AU Stowell, James K.
IT 5161-91-1 5161-92-2 5580-65-4

L8 ANSWER 5 OF 10 CAOLD COPYRIGHT 2001 ACS
AN CA64:2083h CAOLD
TI adducts of dimethylketene with C:N-contg. compds.
AU Martin, James Cuthbert; Hoyle, V. A., Jr.; Brannock, K. C.
IT 598-26-5 4612-76-4 6082-56-0 6082-57-1 6082-58-2 6082-59-3
6082-60-6 6082-61-7 6082-62-8 6082-64-0

L8 ANSWER 6 OF 10 CAOLD COPYRIGHT 2001 ACS
AN CA64:2048c CAOLD
TI synthesis of 9-azasteroids - (I) attempted synthesis of
4-oxobenzo[c]quinolizidines
AU Jones, Gurnos; Wood, J.
IT 2969-81-5 3153-36-4 4491-26-3 4491-27-4 4491-28-5 4491-29-6
4491-30-9 4491-31-0 4491-32-1 4491-33-2 4491-36-5 4491-38-7
4497-60-3 4497-61-4 4497-62-5 4497-63-6 4497-64-7 4497-65-8
4497-66-9 4497-67-0 4497-68-1 4518-27-8 4527-66-6
4527-67-7 4604-91-5 4607-79-8 4613-02-9
4620-32-0 4620-33-1 4620-34-2 4627-23-0 4660-20-2 4933-73-7
4933-74-8 96650-09-8

L8 ANSWER 7 OF 10 CAOLD COPYRIGHT 2001 ACS
AN CA59:6371e CAOLD
TI heterocyclic quinones from 2,3-dichloro-1,4-naphthoquinone
AU Sartori, Mario F.
TI ketene and its derivs. - (III) reaction of diketene with quinoline
AU Kato, Tetsuzo; Kitagawa, T.; Yamamoto, Y.
IT 95516-57-7 95771-15-6 98029-81-3

L8 ANSWER 8 OF 10 CAOLD COPYRIGHT 2001 ACS
AN CA58:504e CAOLD
TI reaction of dimethyl acetylenedicarboxylate with quinaldine
AU Crabtree, A.; Jackman, L. M.; Johnson, A. W.
IT 17260-83-2 100266-52-2 101358-50-3 107118-15-0

L8 ANSWER 9 OF 10 CAOLD COPYRIGHT 2001 ACS
AN CA57:779g CAOLD
TI synthesis of 9, 11, 12, 13, 13a, 14-hexahydro-2,3,6-
trimethoxydibenzo[f,h]pyrrolo[1,2-b]isoquinoline
AU Govindachari, Tuticorin R.; Ragade, I. S.; Viswanathan, N.
IT 909-41-1 1971-34-2 4176-23-2 4234-95-1 24892-72-6
26593-23-7 30963-47-4 33922-39-3 59222-31-0
87101-69-7 93431-38-0 93809-59-7 94005-32-0 94165-06-7 97434-62-3
100088-44-6 100233-74-7 100233-81-6 100266-53-3 101984-30-9 105767-03-1
107160-62-3

L8 ANSWER 10 OF 10 CAOLD COPYRIGHT 2001 ACS
AN CA55:2648g CAOLD
TI adducts from quinoline and dimethyl acetylenedicarboxylate
AU Acheson, Roy M.; Earl, N. J.; Higham, P.; Richards, R. E.; Taylor, G. A.;
Vernon, J. M.
IT 762-42-5 26593-23-7 33922-39-3 132753-02-7

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 DICTIONARY FILE UPDATES: 19 MAR 2001 HIGHEST RN 328055-05-6

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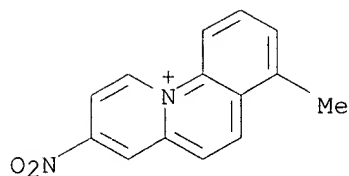
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L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN **96279-91-3** REGISTRY
 CN 7-Methyl-3-nitrobenzo[c]quinolizinium chloride (7CI) (CA INDEX NAME)
 MF C14 H11 N2 O2 . Cl
 LC STN Files: CAOLD



● Cl⁻

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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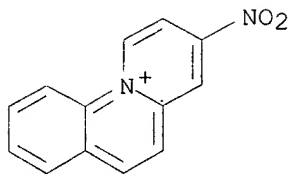
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L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN **106742-14-7** REGISTRY
 CN 3-Nitrobenzo[c]quinolinizinium perchlorate (7CI) (CA INDEX NAME)
 MF C13 H9 N2 O2 . Cl O4
 SR CAOLD
 LC STN Files: CAOLD

CM 1

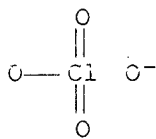
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 CMF C13 H9 N2 O2



CM 2

CRN 14797-73-0

CMF Cl O4



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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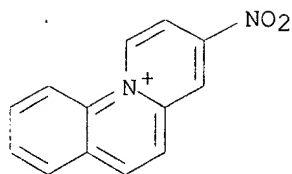
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=> s e3

L11 1 107543-02-2/RN

=> d l11

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN **107543-02-2** REGISTRY
 CN 3-Nitrobenzo[c]quinolinizinium chloride (7CI) (CA INDEX NAME)
 MF C13 H9 N2 O2 . Cl
 SR CAOLD
 LC STN Files: CAOLD
 CRN (106742-13-6)



● Cl⁻

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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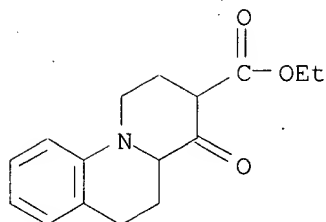
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E10	1	4527-76-8/RN
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=> s e3

L12 1 4527-67-7/RN

=> d l12

L12 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN **4527-67-7** REGISTRY
 CN 1H-Benzo[c]quinolizine-3-carboxylic acid, 2,3,4,4a,5,6-hexahydro-4-oxo-, ethyl ester, hydrochloride (7CI, 8CI) (CA INDEX NAME)
 MF C16 H19 N O3 . Cl H
 LC STN Files: CAOLD
 CRN (4613-02-9)



● HCl

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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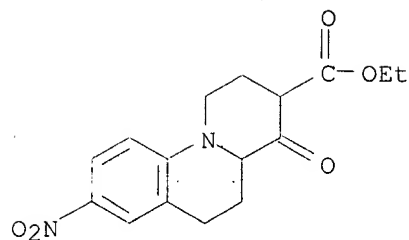
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E10	1	5100-61-8/RN
E11	1	5100-62-9/RN
E12	1	5100-63-0/RN

=> s e3

L13 1 5100-53-8/RN

=> d l13

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 5100-53-8 REGISTRY
 CN 1H-Benzo[c]quinolizine-3-carboxylic acid,
 2,3,4,4a,5,6-hexahydro-8-nitro-4-
 oxo-, ethyl ester (7CI, 8CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H18 N2 O5
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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E4	1	5100-63-0/RN
E5	1	5100-64-1/RN
E6	1	5100-65-2/RN
E7	1	5100-66-3/RN
E8	1	5100-67-4/RN
E9	1	5100-68-5/RN
E10	1	5100-69-6/RN
E11	1	5100-70-9/RN
E12	1	5100-71-0/RN

=> s e3

L14 1 5100-62-9/RN

=> d l14

L14 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

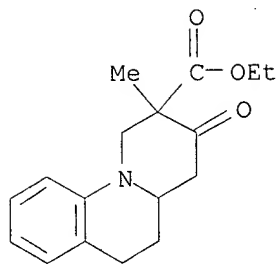
RN 5100-62-9 REGISTRY

CN 1H-Benzo[c]quinolizine-2-carboxylic acid, 2,3,4,4a,5,6-hexahydro-3-oxo-, ethyl ester, hydrochloride (7CI, 8CI) (CA INDEX NAME)

MF C16 H19 N O3 . Cl H

LC STN Files: CAOLD

CRN (5161-92-2)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 5100-64-1/rn

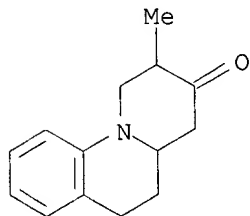
E1	1	5100-62-9/RN
E2	1	5100-63-0/RN
E3	1 -->	5100-64-1/RN
E4	1	5100-65-2/RN
E5	1	5100-66-3/RN
E6	1	5100-67-4/RN
E7	1	5100-68-5/RN
E8	1	5100-69-6/RN
E9	1	5100-70-9/RN
E10	1	5100-71-0/RN
E11	1	5100-72-1/RN
E12	1	5100-73-2/RN

=> s e3

L16 1 5100-64-1/RN

=> d 116

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN **5100-64-1** REGISTRY
 CN 3H-Benzo[c]quinolizin-3-one, 1,2,4,4a,5,6-hexahydro-2-methyl- (7CI, 8CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H17 N O
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 5100-70-9/rn

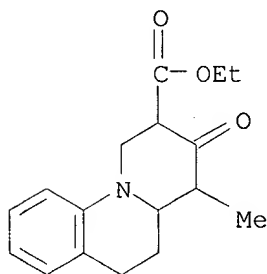
E1	1	5100-68-5/RN
E2	1	5100-69-6/RN
E3	1 -->	5100-70-9/RN
E4	1	5100-71-0/RN
E5	1	5100-72-1/RN
E6	1	5100-73-2/RN
E7	1	5100-74-3/RN
E8	1	5100-75-4/RN
E9	1	5100-76-5/RN
E10	1	5100-77-6/RN
E11	1	5100-78-7/RN
E12	1	5100-80-1/RN

=> s e3

L17 1 5100-70-9/RN

=> d l17

L17 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 5100-70-9 REGISTRY
 CN 1H-Benzo[c]quinolizine-2-carboxylic acid,
 2,3,4,4a,5,6-hexahydro-4-methyl-
 3-oxo-, ethyl ester (7CI, 8CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H21 N O3
 CI COM
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 5100-71-0/rn

E1	1	5100-69-6/RN
E2	1	5100-70-9/RN

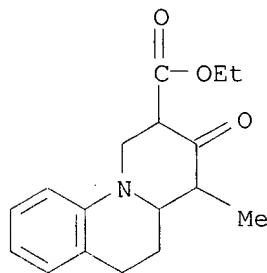
E3 1 --> 5100-71-0/RN
 E4 1 5100-72-1/RN
 E5 1 5100-73-2/RN
 E6 1 5100-74-3/RN
 E7 1 5100-75-4/RN
 E8 1 5100-76-5/RN
 E9 1 5100-77-6/RN
 E10 1 5100-78-7/RN
 E11 1 5100-80-1/RN
 E12 1 5100-81-2/RN

=> s e3

L18 1 5100-71-0/RN

=> d 118

L18 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 5100-71-0 REGISTRY
 CN 1H-Benzo[c]quinolizine-2-carboxylic acid,
 2,3,4,4a,5,6-hexahydro-4-methyl-
 3-oxo-, ethyl ester, hydrochloride (7CI, 8CI) (CA INDEX NAME)
 MF C17 H21 N O3 . Cl H
 LC STN Files: CAOLD
 CRN (5100-70-9)



● HCl

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 5100-76-5/rn

E1 1 5100-74-3/RN
 E2 1 5100-75-4/RN
 E3 1 --> 5100-76-5/RN
 E4 1 5100-77-6/RN
 E5 1 5100-78-7/RN
 E6 1 5100-80-1/RN
 E7 1 5100-81-2/RN

E8 1 5100-82-3/RN
 E9 1 5100-83-4/RN
 E10 1 5100-84-5/RN
 E11 1 5100-85-6/RN
 E12 1 5100-86-7/RN

=> s e3

L19 1 5100-76-5/RN

=> d l19

L19 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

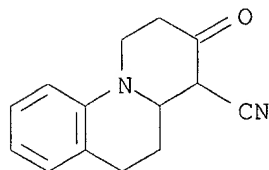
RN **5100-76-5** REGISTRY

CN 1H-Benzo[c]quinolizine-4-carbonitrile, 2,3,4,4a,5,6-hexahydro-3-oxo-,
 hydrochloride (7CI, 8CI) (CA INDEX NAME)

MF C14 H14 N2 O . Cl H

LC STN Files: CAOLD

CRN (5100-77-6).



● HCl

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 5100-77-6/rn

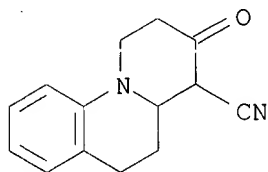
E1 1 5100-75-4/RN
 E2 1 5100-76-5/RN
 E3 1 --> 5100-77-6/RN
 E4 1 5100-78-7/RN
 E5 1 5100-80-1/RN
 E6 1 5100-81-2/RN
 E7 1 5100-82-3/RN
 E8 1 5100-83-4/RN
 E9 1 5100-84-5/RN
 E10 1 5100-85-6/RN
 E11 1 5100-86-7/RN
 E12 1 5100-87-8/RN

=> s e3

L20 1 5100-77-6/RN

=> d 120

L20 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 5100-77-6 REGISTRY
 CN 1H-Benzo[c]quinolizine-4-carbonitrile, 2,3,4,4a,5,6-hexahydro-3-oxo-
 (7CI, 9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H14 N2 O
 CI COM
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 5569-24-4/rn

E1	1	5569-19-7/RN
E2	1	5569-22-2/RN
E3	1 -->	5569-24-4/RN
E4	1	5569-25-5/RN
E5	1	5569-26-6/RN
E6	1	5569-27-7/RN
E7	1	5569-28-8/RN
E8	1	5569-29-9/RN
E9	1	5569-30-2/RN
E10	1	5569-31-3/RN
E11	1	5569-32-4/RN
E12	1	5569-34-6/RN

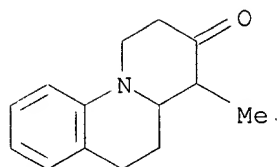
=> s e3

L21 1 5569-24-4/RN

=> d 121

L21 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 5569-24-4 REGISTRY
 CN 3H-Benzo[c]quinolizine-3-one, 1,2,4,4a,5,6-hexahydro-4-methyl- (7CI, 8CI, 9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H17 N O
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, TOXLIT

(*File contains numerically searchable property data)



3 REFERENCES IN FILE CA (1967 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 5161-92-2/rn

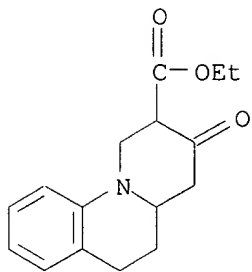
E1	1	5161-86-4/RN
E2	1	5161-91-1/RN
E3	1 -->	5161-92-2/RN
E4	1	5161-93-3/RN
E5	1	5161-95-5/RN
E6	1	5161-98-8/RN
E7	1	5161-99-9/RN
E8	1	51610-00-5/RN
E9	1	51610-01-6/RN
E10	1	51610-02-7/RN
E11	1	51610-03-8/RN
E12	1	51610-04-9/RN

=> s e3

L22 1 5161-92-2/RN

=> d l22

L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN **5161-92-2** REGISTRY
 CN 1H-Benzo[c]quinolizine-2-carboxylic acid, 2,3,4,4a,5,6-hexahydro-3-oxo-,
 ethyl ester (7CI, 8CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H19 N O3
 CI COM
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 6082-64-0/rn

E1	1	6082-61-7/RN
E2	1	6082-62-8/RN
E3	1 -->	6082-64-0/RN
E4	1	6082-66-2/RN
E5	1	6082-69-5/RN
E6	1	6082-70-8/RN
E7	1	6082-72-0/RN
E8	1	6082-73-1/RN
E9	1	6082-74-2/RN
E10	1	6082-75-3/RN
E11	1	6082-79-7/RN
E12	1	6082-80-0/RN

=> s e3

L23 1 6082-64-0/RN

=> d 123

L23 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

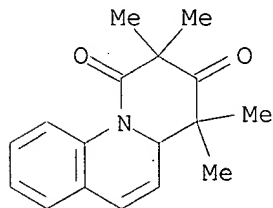
RN **6082-64-0** REGISTRY

CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 4,4a-dihydro-2,2,4,4-tetramethyl-
(7CI, 8CI) (CA INDEX NAME)

FS 3D CONCORD

MF C17 H19 N O2

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 4527-67-7/rn

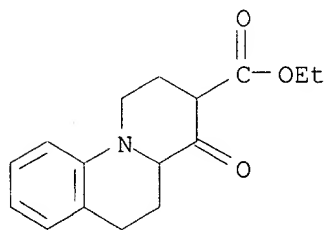
E1	1	4527-64-4/RN
E2	1	4527-66-6/RN
E3	1 -->	4527-67-7/RN
E4	1	4527-68-8/RN
E5	1	4527-69-9/RN
E6	1	4527-70-2/RN
E7	1	4527-71-3/RN
E8	1	4527-74-6/RN
E9	1	4527-75-7/RN
E10	1	4527-76-8/RN
E11	1	4527-78-0/RN
E12	1	4527-79-1/RN

=> s e3

L24 1 4527-67-7/RN

=> d 124

L24 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 4527-67-7 REGISTRY
 CN 1H-Benzo[c]quinolizine-3-carboxylic acid, 2,3,4,4a,5,6-hexahydro-4-oxo-,
 ethyl ester, hydrochloride (7CI, 8CI) (CA INDEX NAME)
 MF C16 H19 N O3 . Cl H
 LC STN Files: CAOLD
 CRN (4613-02-9)



● HCl

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 4604-91-5/rn

E1 1 4604-87-9/RN
 E2 1 4604-88-0/RN
 E3 1 --> 4604-91-5/RN
 E4 1 4604-95-9/RN
 E5 1 4604-98-2/RN
 E6 1 4604-99-3/RN
 E7 1 46040-54-4/RN
 E8 1 46040-71-5/RN
 E9 1 46040-83-9/RN
 E10 1 46041-04-7/RN
 E11 1 46041-05-8/RN
 E12 1 46041-07-0/RN

=> s e3

L25 1 4604-91-5/RN

=> d 125

L25 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

RN 4604-91-5 REGISTRY

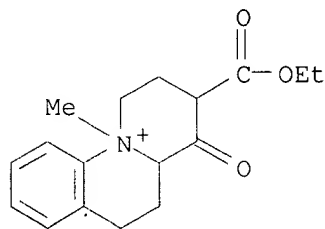
CN 1H-Benzo[c]quinolizinium,
 3-carboxy-3,4,4a,5,6-hexahydro-11-methyl-4-oxo-,
 iodide, ethyl ester (8CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3-Carboxy-2,3,4,4a,5,6-hexahydro-11-methyl-4-oxo-1H-benzo[c]quinolizinium
 iodide, ethyl ester (7CI)

MF C17 H22 N O3 . I

LC STN Files: CAOLD



● I⁻

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 4613-02-9/rn

E1 1 46129-86-6/RN
 E2 1 46129-87-7/RN
 E3 1 --> 4613-02-9/RN
 E4 1 4613-03-0/RN

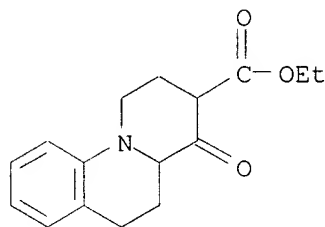
E5	1	4613-04-1/RN
E6	1	4613-05-2/RN
E7	1	4613-06-3/RN
E8	1	4613-07-4/RN
E9	1	4613-08-5/RN
E10	1	4613-09-6/RN
E11	1	4613-10-9/RN
E12	1	4613-11-0/RN

=> s e3

L26 1 4613-02-9/RN

=> d 126

L26 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN **4613-02-9** REGISTRY
 CN 1H-Benzo[c]quinolizine-3-carboxylic acid, 2,3,4,4a,5,6-hexahydro-4-oxo-, ethyl ester (7CI, 8CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H19 N O3
 CI COM
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 95516-57-7/rn

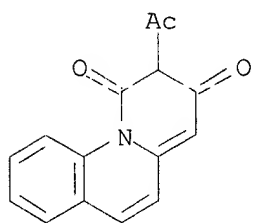
E1	1	95516-55-5/RN
E2	1	95516-56-6/RN
E3	1 -->	95516-57-7/RN
E4	1	95516-58-8/RN
E5	1	95516-59-9/RN
E6	1	95516-60-2/RN
E7	1	95516-61-3/RN
E8	1	95516-62-4/RN
E9	1	95516-63-5/RN
E10	1	95516-64-6/RN
E11	1	95516-65-7/RN
E12	1	95516-66-8/RN

=> s e3

L27 1 95516-57-7/RN

=> d 127

L27 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 95516-57-7 REGISTRY
 CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 2-acetyl- (7CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H11 N O3
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 95771-15-6/rn

E1	1	95771-13-4/RN
E2	1	95771-14-5/RN
E3	1 -->	95771-15-6/RN
E4	1	95771-16-7/RN
E5	1	95771-17-8/RN
E6	1	95771-18-9/RN
E7	1	95771-19-0/RN
E8	1	95771-20-3/RN
E9	1	95771-21-4/RN
E10	1	95771-22-5/RN
E11	1	95771-23-6/RN
E12	1	95771-24-7/RN

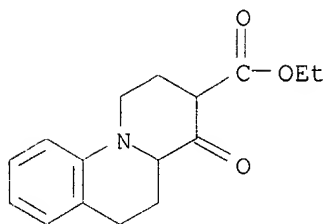
=> s e3

L28 1 95771-15-6/RN

=> d 126

L26 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 4613-02-9 REGISTRY
 CN 1H-Benzo[c]quinolizine-3-carboxylic acid, 2,3,4,4a,5,6-hexahydro-4-oxo-, ethyl ester (7CI, 8CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H19 N O3

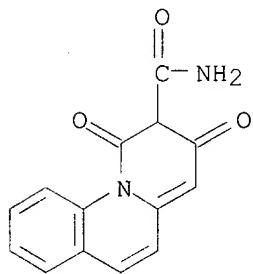
CI COM
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 128

L28 ANSWER 1 OF 1 REGISTRY. COPYRIGHT 2001 ACS
 RN 95771-15-6 REGISTRY
 CN 1H-Benzo[c]quinolizine-2-carboxamide, 2,3-dihydro-1,3-dioxo- (7CI) (CA
 INDEX NAME)
 FS 3D CONCORD
 MF C14 H10 N2 O3
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 98029-81-3/rn

E1	1	98029-79-9/RN
E2	1	98029-80-2/RN
E3	1 -->	98029-81-3/RN
E4	1	98029-82-4/RN
E5	1	98029-83-5/RN
E6	1	98029-84-6/RN
E7	1	98029-85-7/RN
E8	1	98029-86-8/RN

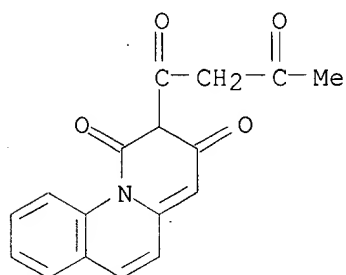
E9 1 98029-87-9/RN
 E10 1 98029-88-0/RN
 E11 1 98029-89-1/RN
 E12 1 98029-90-4/RN

=> s e3

L29 1 98029-81-3/RN

=> d 129

L29 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN **98029-81-3** REGISTRY
 CN 1H-Benzo[c]quinolizine-1,3(2H)-dione, 2-acetoacetyl- (7CI) (CA INDEX
 NAME)
 FS 3D CONCORD
 MF C17 H13 N O4
 SR CAOLD
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 17260-83-2/rn

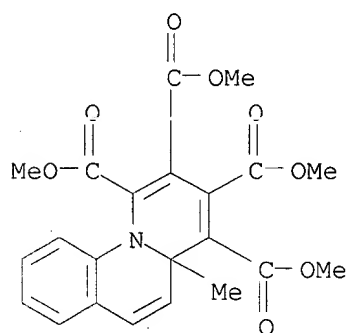
E1 1 17260-81-0/RN
 E2 1 17260-82-1/RN
 E3 1 --> 17260-83-2/RN
 E4 1 17260-84-3/RN
 E5 1 17260-85-4/RN
 E6 1 17260-86-5/RN
 E7 1 17260-87-6/RN
 E8 1 17260-88-7/RN
 E9 1 17260-89-8/RN
 E10 1 17260-90-1/RN
 E11 1 17260-91-2/RN
 E12 1 17260-92-3/RN

=> s e3

L30 1 17260-83-2/RN

=> d 130

L30 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 17260-83-2 REGISTRY
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, 4a-methyl-,
 tetramethyl ester (7CI, 8CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H21 N O8
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
 (*File contains numerically searchable property data)



2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 26593-23-7/rn

E1	1	26593-17-9/RN
E2	1	26593-20-4/RN
E3	1	--> 26593-23-7/RN
E4	1	26593-26-0/RN
E5	1	26593-27-1/RN
E6	1	26593-29-3/RN
E7	1	26593-33-9/RN
E8	1	26593-34-0/RN
E9	1	26593-35-1/RN
E10	1	26593-36-2/RN
E11	1	26593-37-3/RN
E12	1	26593-38-4/RN

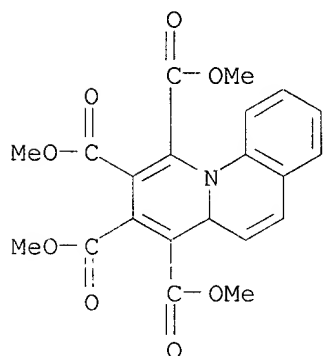
=> s e3

L31 1 26593-23-7/RN

=> d 131

L31 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS

RN 26593-23-7 REGISTRY
 CN 4aH-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester
 (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H19 N O8
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
 (*File contains numerically searchable property data)



3 REFERENCES IN FILE CA (1967 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 33922-39-3/rn

E1	1	33922-37-1/RN
E2	1	33922-38-2/RN
E3	1 -->	33922-39-3/RN
E4	1	33922-40-6/RN
E5	1	33922-42-8/RN
E6	1	33922-43-9/RN
E7	1	33922-44-0/RN
E8	1	33922-45-1/RN
E9	1	33922-46-2/RN
E10	1	33922-54-2/RN
E11	1	33922-55-3/RN
E12	1	33922-57-5/RN

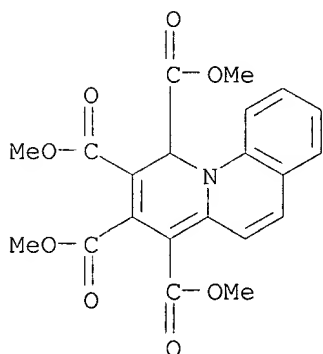
=> s e3

L32 1 33922-39-3/RN

=> d l32

L32 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
 RN 33922-39-3 REGISTRY
 CN 1H-Benzo[c]quinolizine-1,2,3,4-tetracarboxylic acid, tetramethyl ester
 (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
 FS 3D CONCORD

MF C21 H19 N O8
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
 (*File contains numerically searchable property data)



2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d his

(FILE 'HOME' ENTERED AT 16:00:16 ON 20 MAR 2001)

FILE 'REGISTRY' ENTERED AT 16:00:21 ON 20 MAR 2001

L1 STRUCTURE UPLOADED
 L2 7 S L1
 L3 155 S L2 FULL

FILE 'CA' ENTERED AT 16:01:47 ON 20 MAR 2001

L4 31 S L3
 L5 7 S L4 AND GUARNA, A?/AU
 L6 2 S L5 AND PD < JANUARY 1998
 L7 24 S L4 NOT L5

FILE 'CAOLD' ENTERED AT 16:05:22 ON 20 MAR 2001

L8 10 S L3

FILE 'REGISTRY' ENTERED AT 16:05:44 ON 20 MAR 2001

E 96279-91-3/RN
 L9 1 S E3
 E 106742-14-7/RN
 L10 1 S E3
 E 107543-02-2/RN
 L11 1 S E3
 E 4527-67-7/RN
 L12 1 S E3
 E 5100-53-8/RN
 L13 1 S E3
 E 5100-62-9/RN

L14 1 S E3
 E 5100-63-0/RN
 L15 1 S E3
 E 5100-64-1/RN
 L16 1 S E3
 E 5100-70-9/RN
 L17 1 S E3
 E 5100-71-0/RN
 L18 1 S E3
 E 5100-76-5/RN
 L19 1 S E3
 E 5100-77-6/RN
 L20 1 S E3
 E 5569-24-4/RN
 L21 1 S E3
 E 5161-92-2/RN
 L22 1 S E3
 E 6082-64-0/RN
 L23 1 S E3
 E 4527-67-7/RN
 L24 1 S E3
 E 4604-91-5/RN
 L25 1 S E3
 E 4613-02-9/RN
 L26 1 S E3
 E 95516-57-7/RN
 L27 1 S E3
 E 95771-15-6/RN
 L28 1 S E3
 E 98029-81-3/RN
 L29 1 S E3
 E 17260-83-2/RN
 L30 1 S E3
 E 26593-23-7/RN
 L31 1 S E3
 E 33922-39-3/RN
 L32 1 S E3

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
47.11	295.40

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

0.00 -14.56

STN INTERNATIONAL LOGOFF AT 16:24:32 ON 20 MAR 2001